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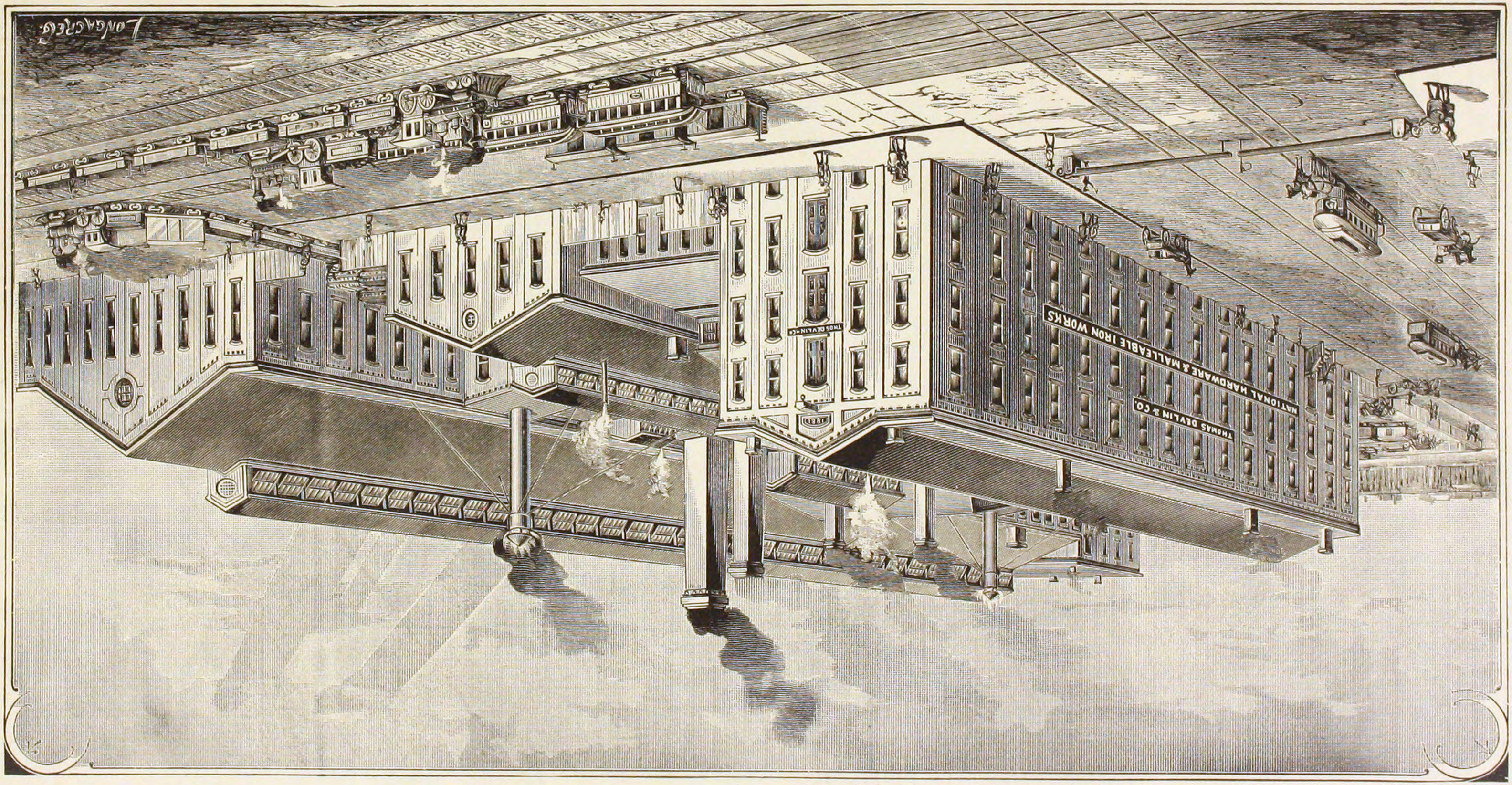
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NATIONAL HARDWARE & MALLEABLE IRON WORKS
SYRACUSE

PRESS OF
EDWARD STERN & CO.,
PHILADELPHIA.

1885

PRICE LIST

AND

ILLUSTRATED CATALOGUE

OF THE

NATIONAL

Hardware and Malleable Iron Works

OF

THOMAS DEVLIN & CO.

Lehigh Avenue, American and Third Streets,

PHILADELPHIA, PA., U. S. A.

Terms Cash.

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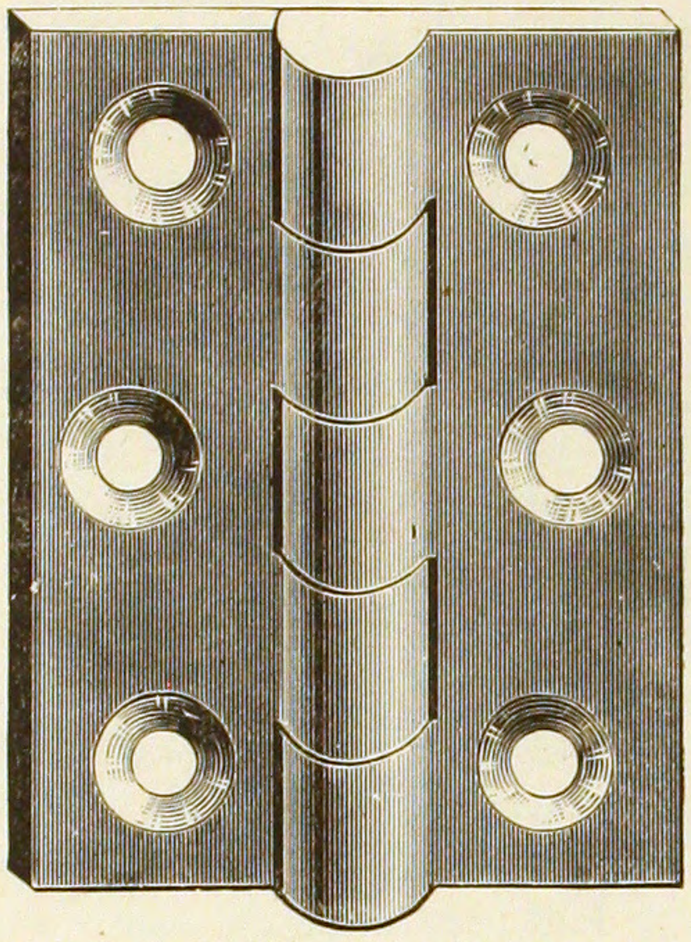
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No. 10, Fast Joint Cast Butts.

DRILLED.



Full size Cut of 2½ inch.

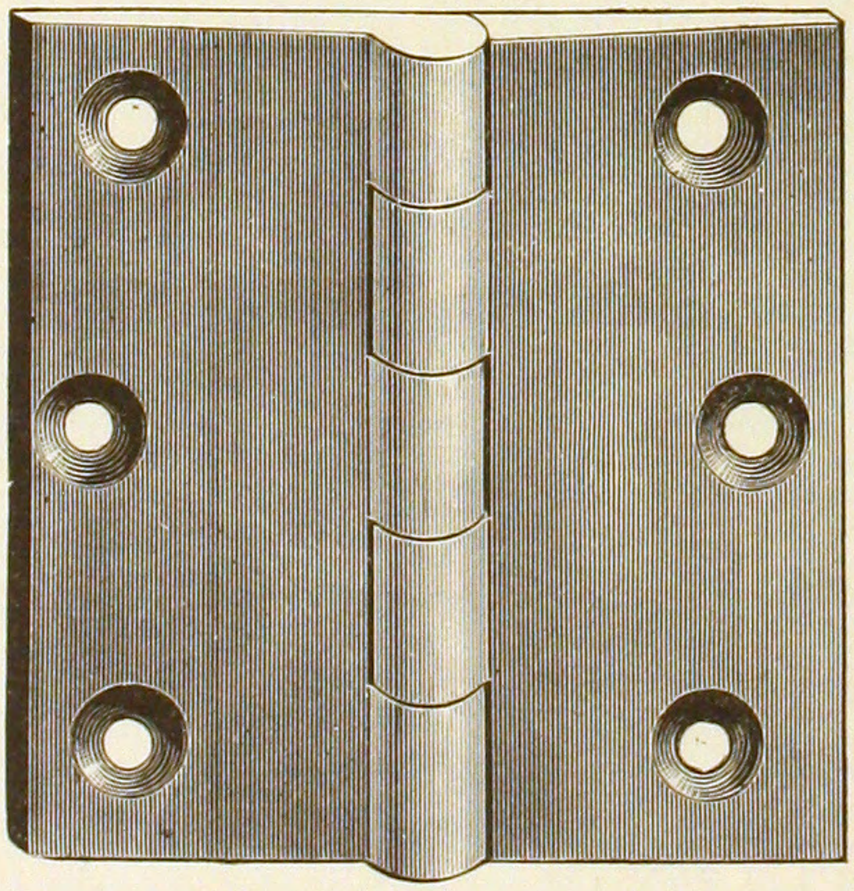
NARROW, DRILLED AND WIRED, FAST JOINT.

Inch, ...	1¼	1½	1¾	2	2¼	2½	3	3½	4	4½	5
Per dozen pairs,	$0 48	50	55	60	65	70	95	1 20	1 40	1 90	2 30

1¼ to 4 inch, 1 dozen pairs in a box. 4½ inch and larger, ½ dozen pairs. 1¼, 1½, 1¾ inch, 48 dozen pairs in a case. 2 to 3 inch, 24 dozen. 3½ inch and larger, 12 dozen.

No. 20, Fast Joint Cast Butts.

DRILLED.



Full size Cut of 2½ x 2½ inch.

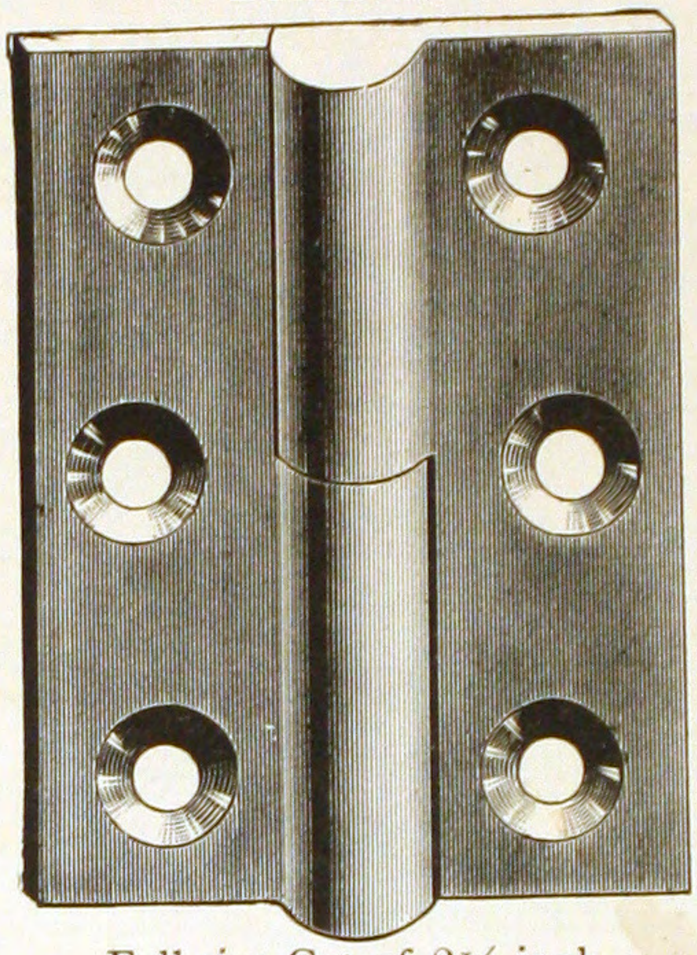
BROAD, DRILLED AND WIRED, FAST JOINT.

Inch, ...	2x2	2½x2	2½x2½	3x2½	3x3	3x3½	3½x3	3½x3½
Per dozen pairs,	$1 00	1 20	1 35	1 60	1 75	1 95	2 15	2 35
Inch, ...	3½x4	4x3½	4x4	4½x4	4½x4½	5x5	5½x5½	6x6
Per dozen pairs,	$2 50	2 70	2 90	3 50	4 00	5 50	6 50	7 60

3 x 3 inch and smaller, 1 dozen pairs in a box. 3 x 3½ inch and larger, ½ dozen pairs. 2 x 2 to 3 x 3 inch, 24 dozen pairs in a case. 3 x 3½ to 4x4 inch, 12 dozen pairs. 4½ x 4 inch and larger, 6 dozen pairs.

No. 30, Loose Joint Cast Butts.

DRILLED.



Full size Cut of 2½ inch.

NARROW, DRILLED, LOOSE JOINT.

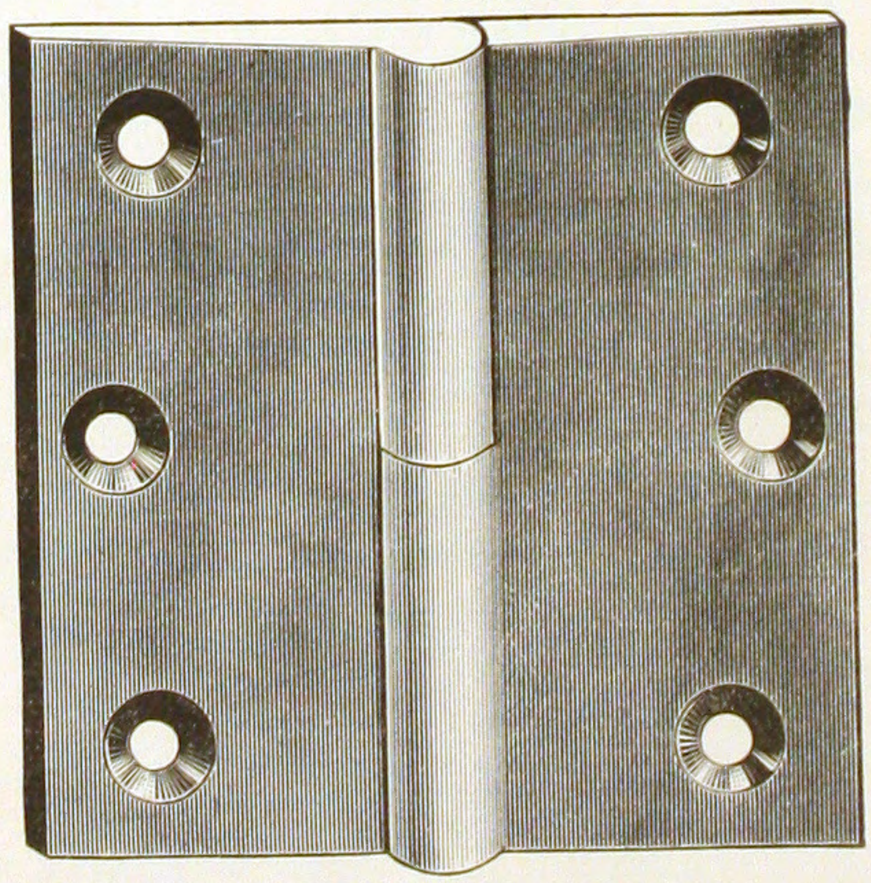
We send half Right and half Left hand, unless otherwise ordered.

Inch, ...	2	2¼	2½	2¾	3	3½	4
Per dozen pairs,	$1 00	1 05	1 10	1 25	1 50	1 75	2 10

1 dozen pairs (all one hand) in a box. 2 to 3 inch, 24 dozen pairs in a case.
3½ inch and larger, 12 dozen.

No. 40, Loose Joint Cast Butts.

DRILLED.



Full size Cut of 2½ x 2½ inch.

We send half Right and half Left, unless otherwise ordered.

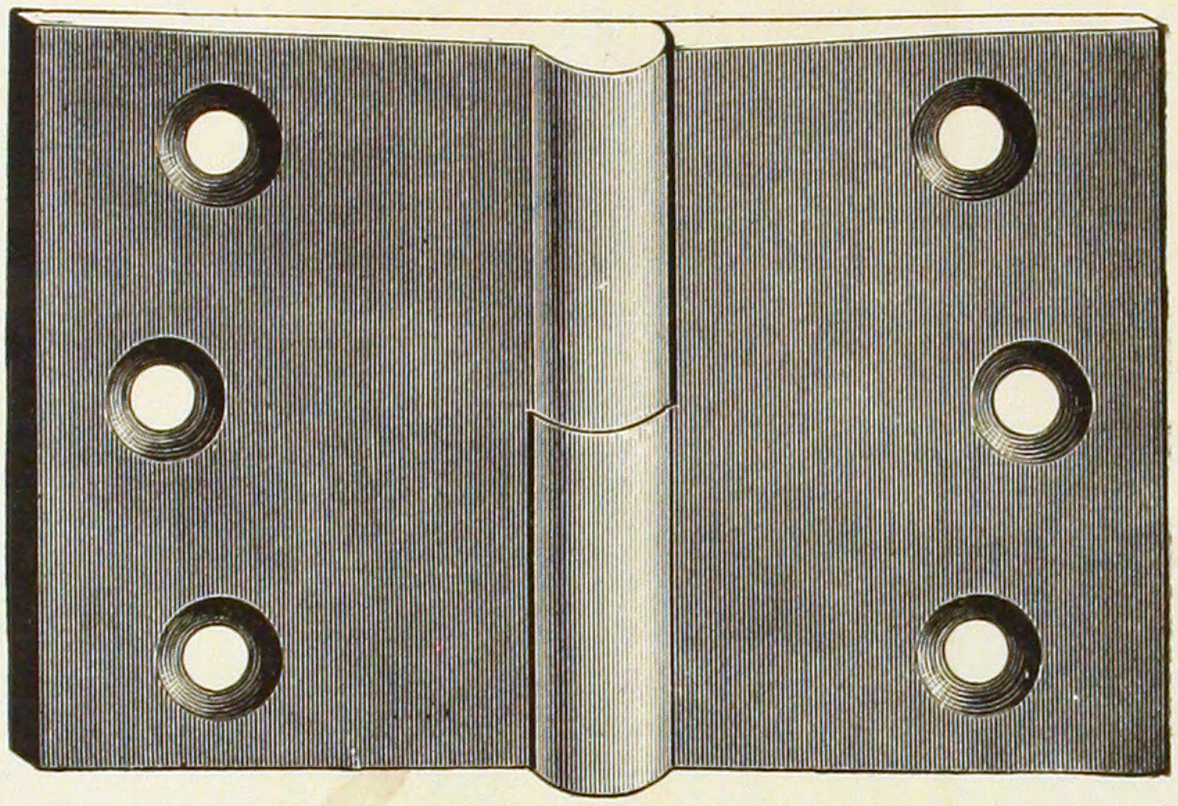
BROAD, DRILLED, LOOSE JOINT.

Inch, ...	2x2	2x2½	2½x2	2½x2½	2½x3	3x2½
Per dozen pairs, .	$1 00	1 10	1 20	1 35	1 50	1 60
Inch, ...	3x3	3x3½	3½x3	3½x3½	3½x4	4x3½
Per dozen pairs, .	$1 75	1 95	2 15	2 35	2 50	2 70
Inch, ...	4x4	4x4½	4½x4½	4½x5	5x5	5½x5½	6x6
Per dozen pairs, .	$2 90	3 20	4 00	4 20	5 50	6 50	7 60

3x3 inch and smaller, 1 dozen pairs (all one hand) in a box. 3x3½ inch and larger, ½ dozen pairs.
2x2 to 3x3 inch, 24 doz. pairs in a case. 3x3½ to 4x4 inch, 12 doz. 4½x4 inch and larger, 6 doz.

MAYER'S HINGES.

DRILLED, LOOSE JOINT.



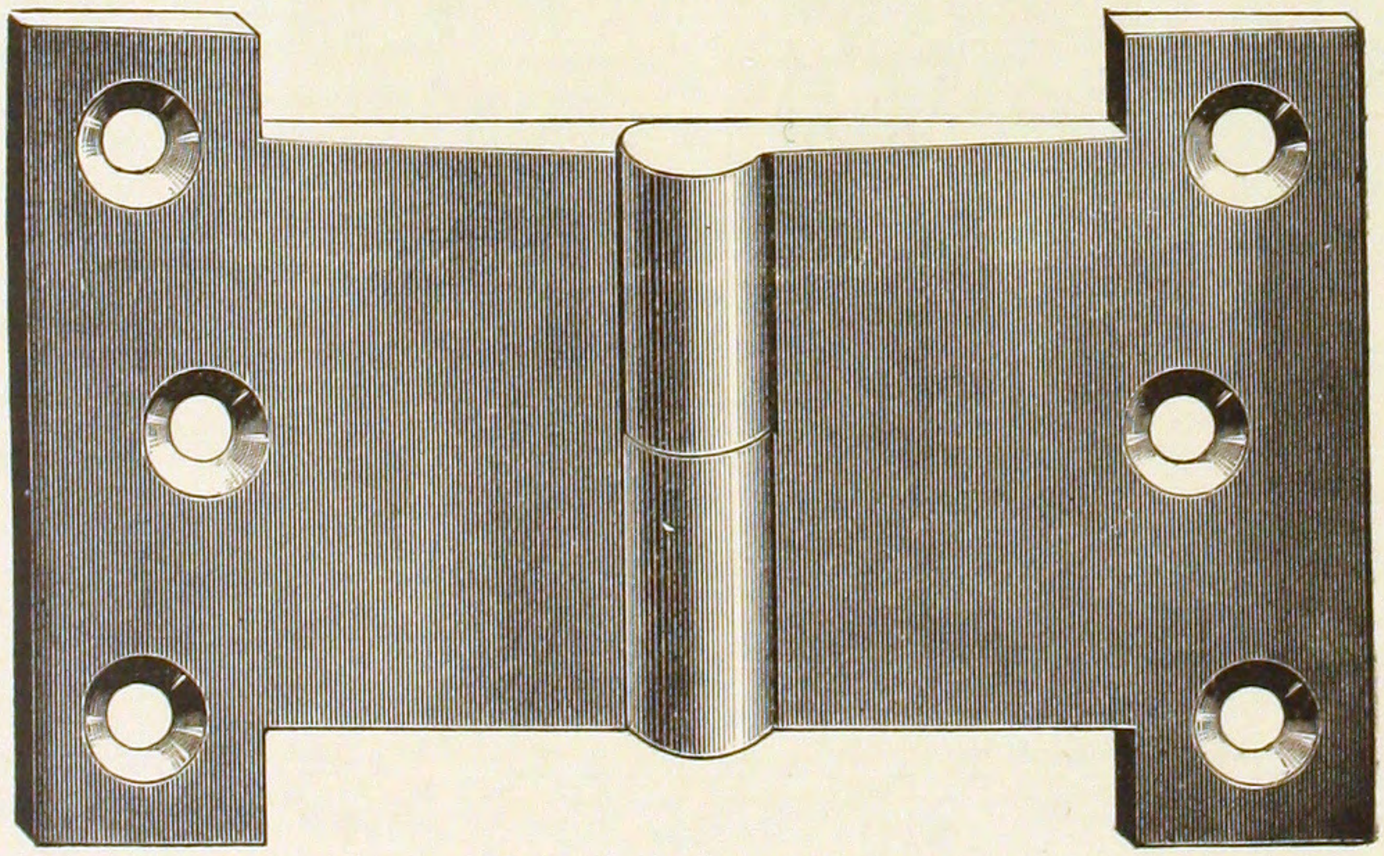
Full size Cut of No. 1.

Nos.	0	1	2	3	4	5
Size when open, . . .	2x3¼	2¼x3½	2½x3¾	2¾x4	3x4¼	3¼x4½
Per dozen pairs, plain, .	$1 50	1 60	1 90	2 20	2 75	3 20
" " " galvanized,	3 33	4 00	4 75	5 75	7 00	8 00

No. 2 and smaller, 1 dozen pairs (half Right and half Left hand) in a box. No. 3 and larger, ½ dozen pairs. Nos. 0, 1 and 2, 24 dozen pairs in a case. Nos. 3, 4 and 5, 12 dozen.

No. 50, Parliament Butts.

DRILLED, LOOSE JOINT.



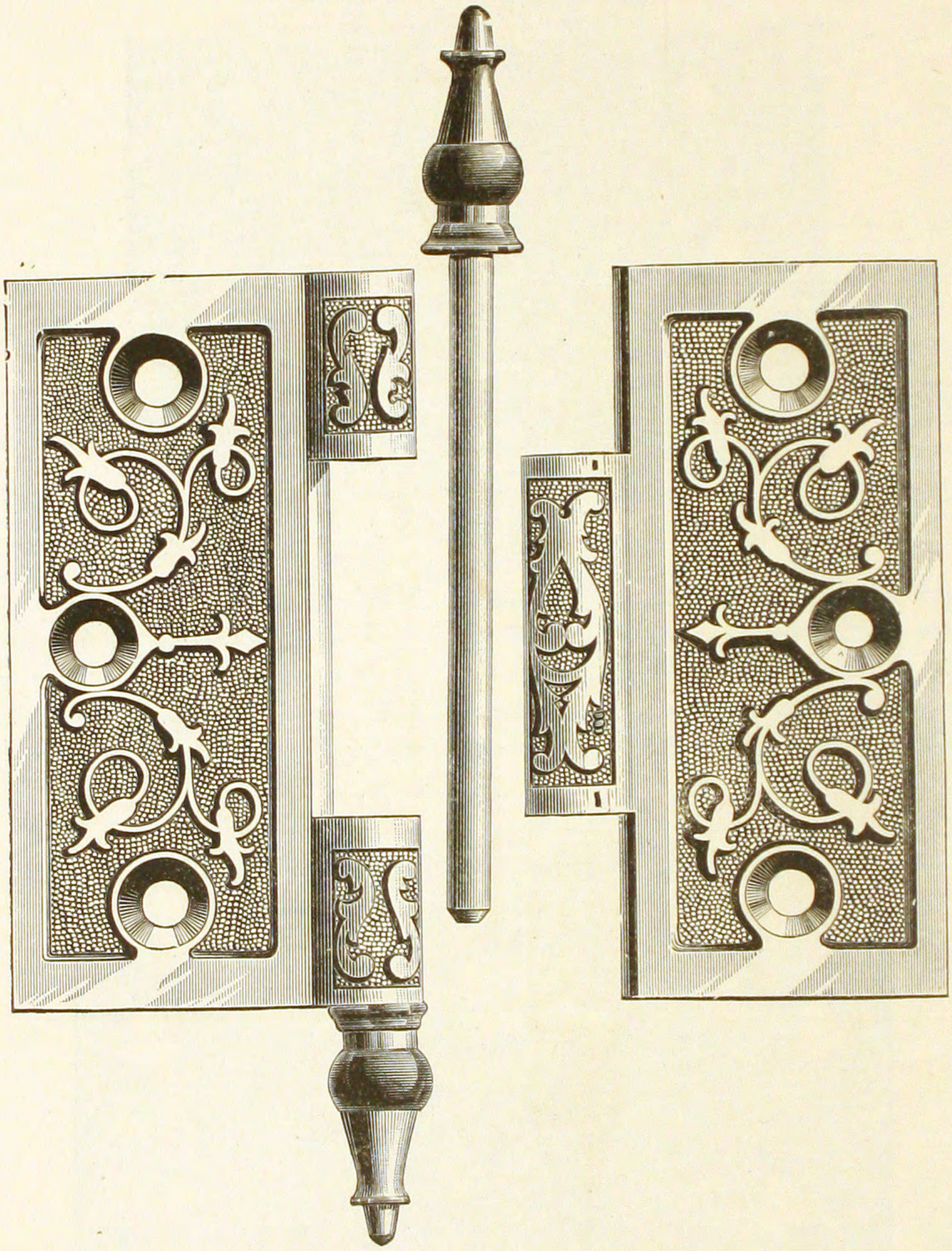
Full size Cut, 4 inch.

Size when open, . .	3	3¼	3½	4	4½	5	5½	6
Per dozen pairs, . .	$1 20	1 30	1 45	1 90	2 00	2 20	2 40	2 80

3½ inch and smaller, 1 dozen pairs (half Right and half Left hand) in a box. 4 inch and larger, ½ dozen. 3 to 4 inch, 24 dozen pairs in a case. 4½ inch and larger, 12 dozen.

No. 60, LOOSE PIN BUTTS.

STEEPLE TIPS, DRILLED.



Full size Cut of 3½ x 3½ inch. Either Right or Left Hand.

No. 60, Not Japanned.

Inch, ...	2x2	2x2½	2½x2	2½x2½	3x2½	3x3	3x3½	3½x3
Per dozen pairs, . .	$1 00	1 10	1 20	1 35	1 60	1 75	1 95	2 15

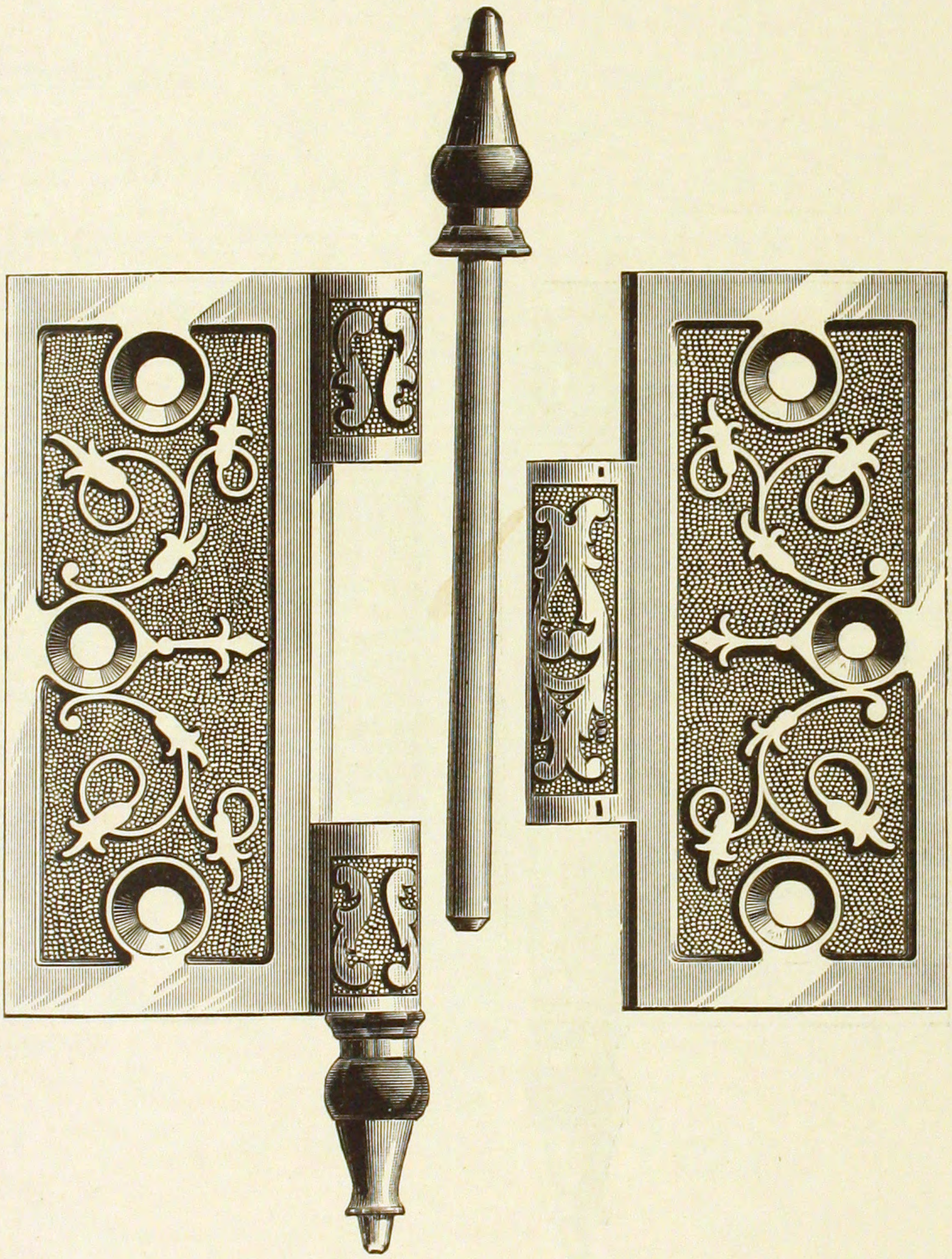
Inch, ...	3½x3½	3½x4	4x3½	4x4	4x4½	4½x4	4½x4½
Per dozen pairs, . .	$2 35	2 50	2 70	2 90	3 20	3 50	4 00

Inch, ...	4½x5	5x5	5x6	6x6
Per dozen pairs, . .	$4 20	5 50	6 50	7 60

3 x 3 inch and smaller, 1 dozen pairs in a box. 3 x 3½ inch and larger, ½ dozen.
2 x 2 to 2½ x 2½ inch, 24 dozen pairs in a case. 3 x 2½ to 4 x 3½ inch, 12 dozen.
4 x 4 inch and larger, 6 dozen.

No. 61, LOOSE PIN BUTTS.

STEEPLE TIPS, DRILLED.



Full size Cut of 3½ x 3½ inch. Either Right or Left Hand.

No. 61. Japanned.

Inch, ...	2x2	2x2½	2½x2	2½x2½	3x2½	3x3	3x3½	3½x3
Per dozen pairs, . .	$2 00	2 15	2 30	2 50	2 80	3 00	3 25	3 45

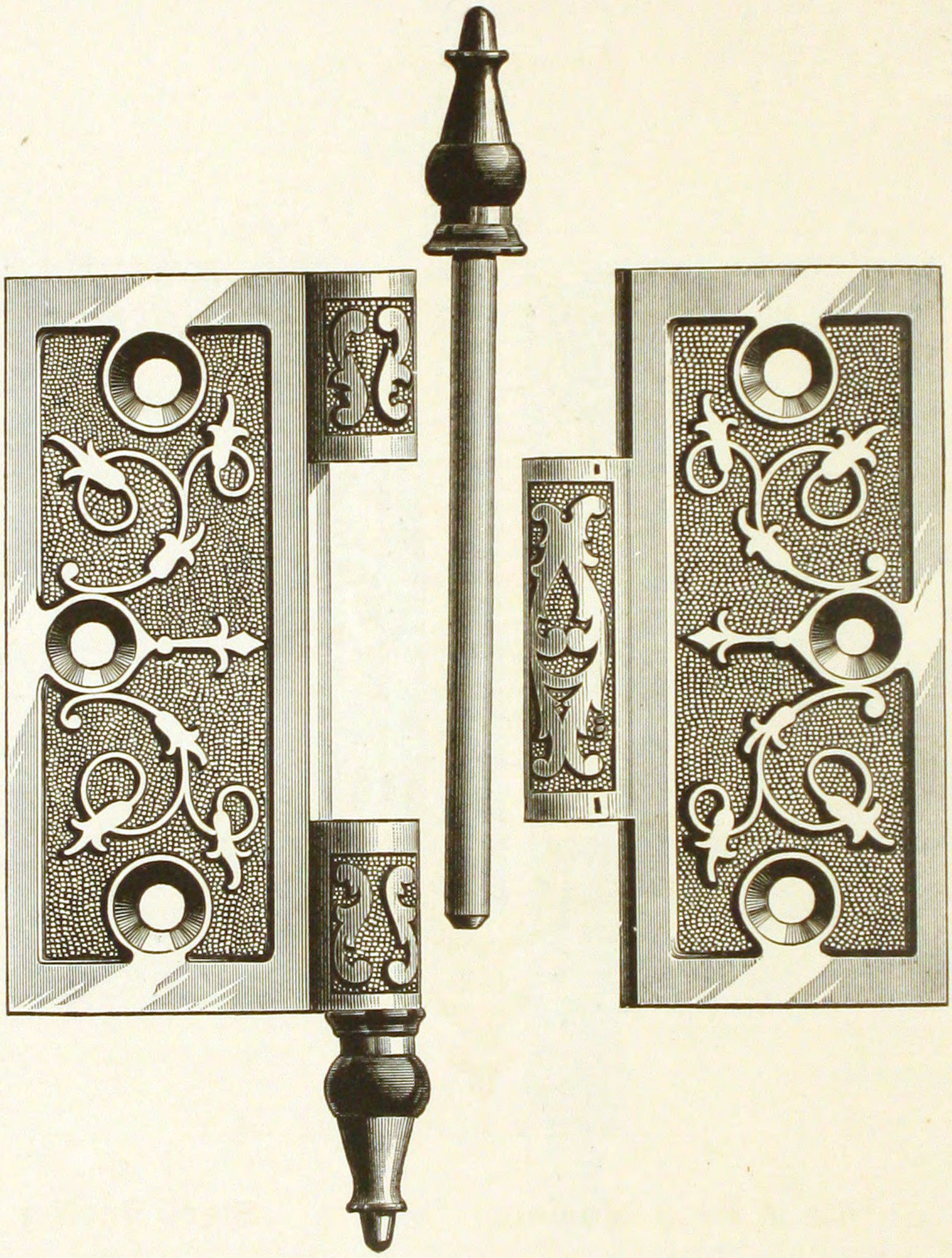
Inch, ...	3½x3½	4x4	4½x4½	5x5
Per dozen pairs, .	$3 70	4 50	5 50	7 00

3 x 3 inch and smaller, 1 dozen pairs in a box. 3 x 3½ inch and larger, ½ dozen.

2 x 2 to 2½ x 2½ inch, 24 dozen pairs in a case. 3 x 2½ to 4 x 3½ inch, 12 dozen.
4 x 4 inch and larger, 6 dozen.

No. 62, LOOSE PIN BUTTS.

STEEPLE TIPS, DRILLED.



Full size Cut of 3½ x 3½ inch. Either Right or Left hand.

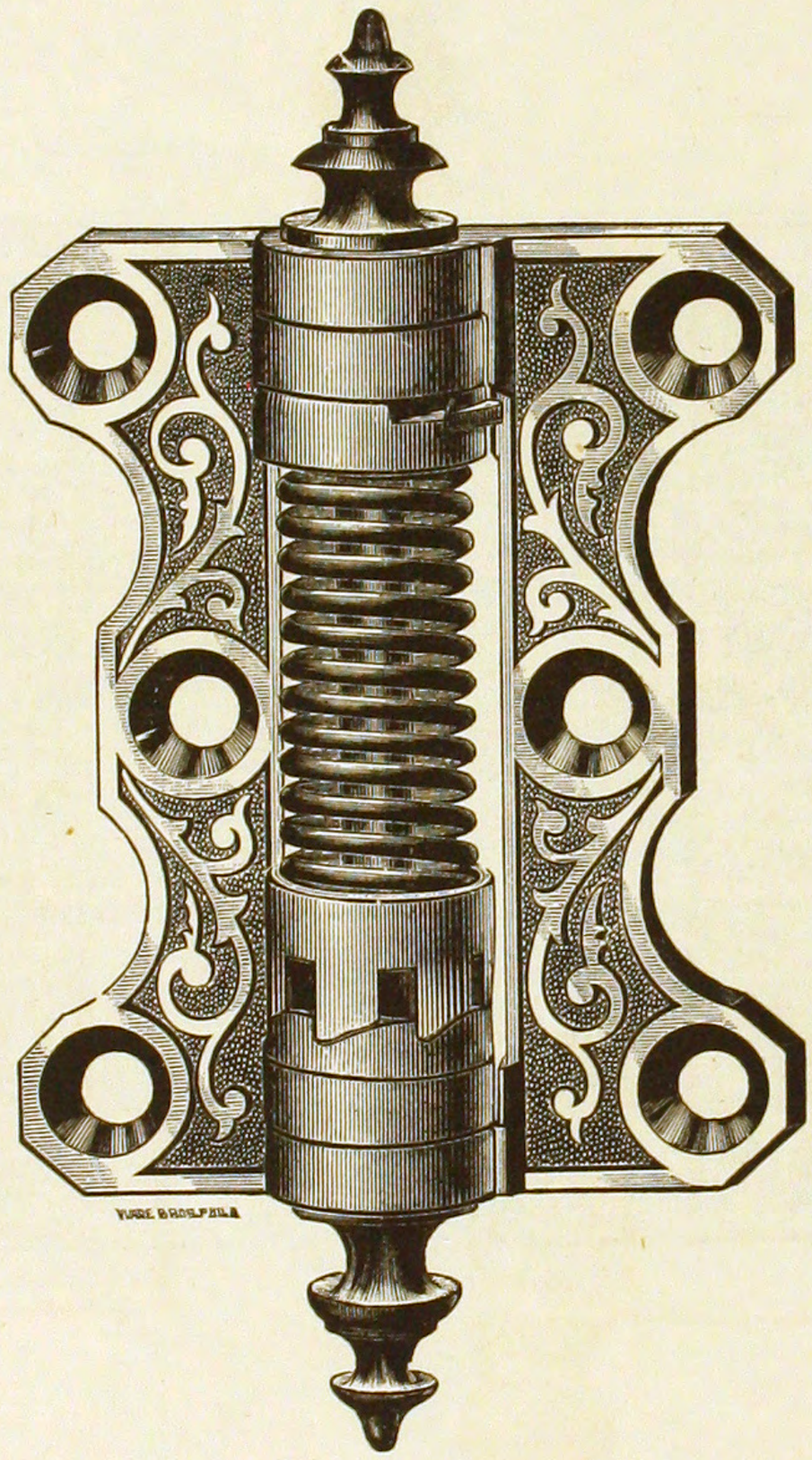
No. 62. Japanned, Nickel Plated Tips.

Inch, ...	2x2	2x2½	2½x2	2½x2½	3x2½	3x3	3x3½	3½x3
Per dozen pairs, . .	$5 60	6 00	6 00	6 20	6 40	6 50	7 00	7 50
Inch, ...	3½x3½	3½x4	4x3½	4x4	4x4½	4½x4	4½x4½	5x5
Per dozen pairs, . .	$8 00	8 40	8 80	9 20	9 50	9 70	10 00	12 50

3 x 3 inch and smaller, 1 dozen pairs in a box. 3 x 3½ inch and larger, ½ dozen.
2 x 2 to 2½ x 2½ inch, 24 dozen pairs in a case. 3 x 2½ to 4 x 3½ inch, 12 dozen.
4 x 4 inch and larger, 6 dozen.

National Spring Hinge.

(Patented January 2, 1883.)



Full size Cut of No. 70. 3 x 2½ inch.

Single Acting, Surface. Steel Spring.

FOR SCREEN DOORS.

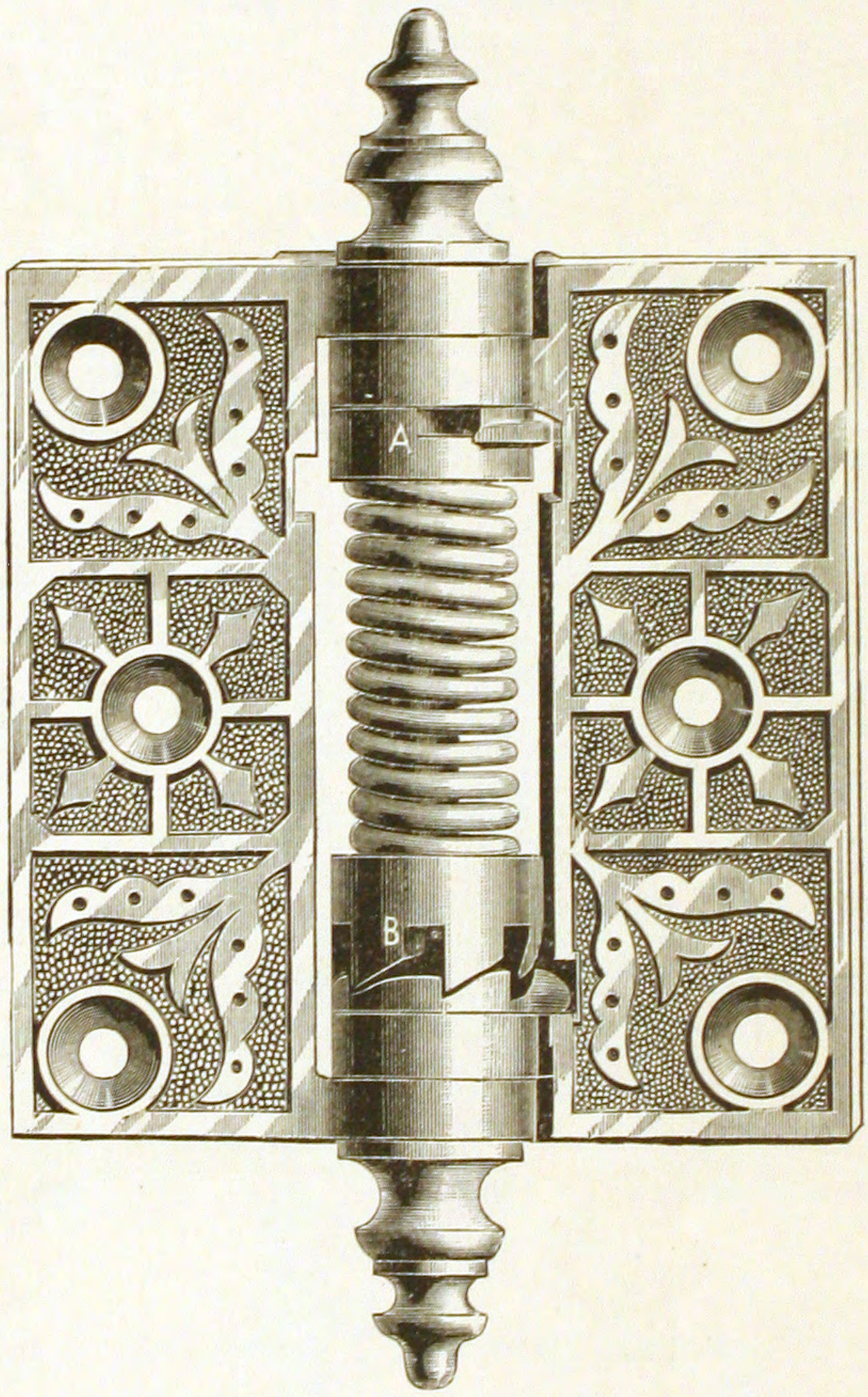
For directions how to operate Hinge, see page 8.

No. 70, 3 x 2½ inch, Walnut Bronzed, ... $3.00 per dozen pairs.

½ dozen pairs in a box. 12 dozen in a case.

National Spring Hinge.

(Patented January 2, 1883.)



Full size Cut of No. 75. 3 x 3 inch.

Single Acting, Mortise. Steel Spring.

FOR SCREEN DOORS.

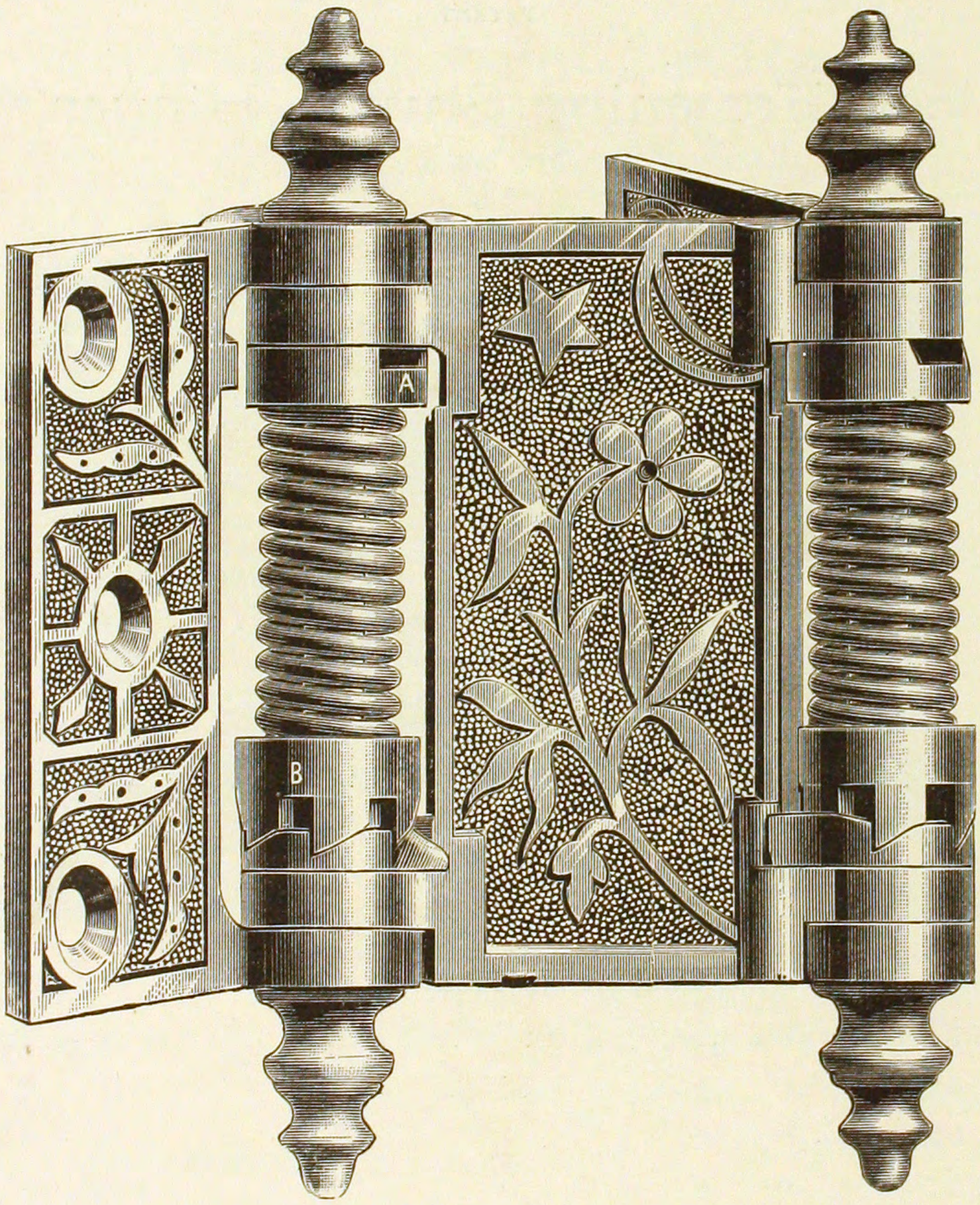
Place the Hinge on the door with ratchet end "B" down. To put tension on, rotate ratchet "B" from left to right. To remove tension, insert a nail in the opening of Cap at letter "A," press in and down, which will slide stop off of the shoulder on which it rests.

No. 75, 3 x 3 inch, Walnut Bronzed, . . $3 50 per dozen pairs.

½ dozen pairs in a box. 12 dozen in a case.

National Spring Hinge.

(Patented January 2, 1883.)



Full size Cut of No. 80. 3 inch.

Double Acting, Mortise. Steel Spring.

FOR SCREEN DOORS.

For directions how to operate Hinge, see page 8.

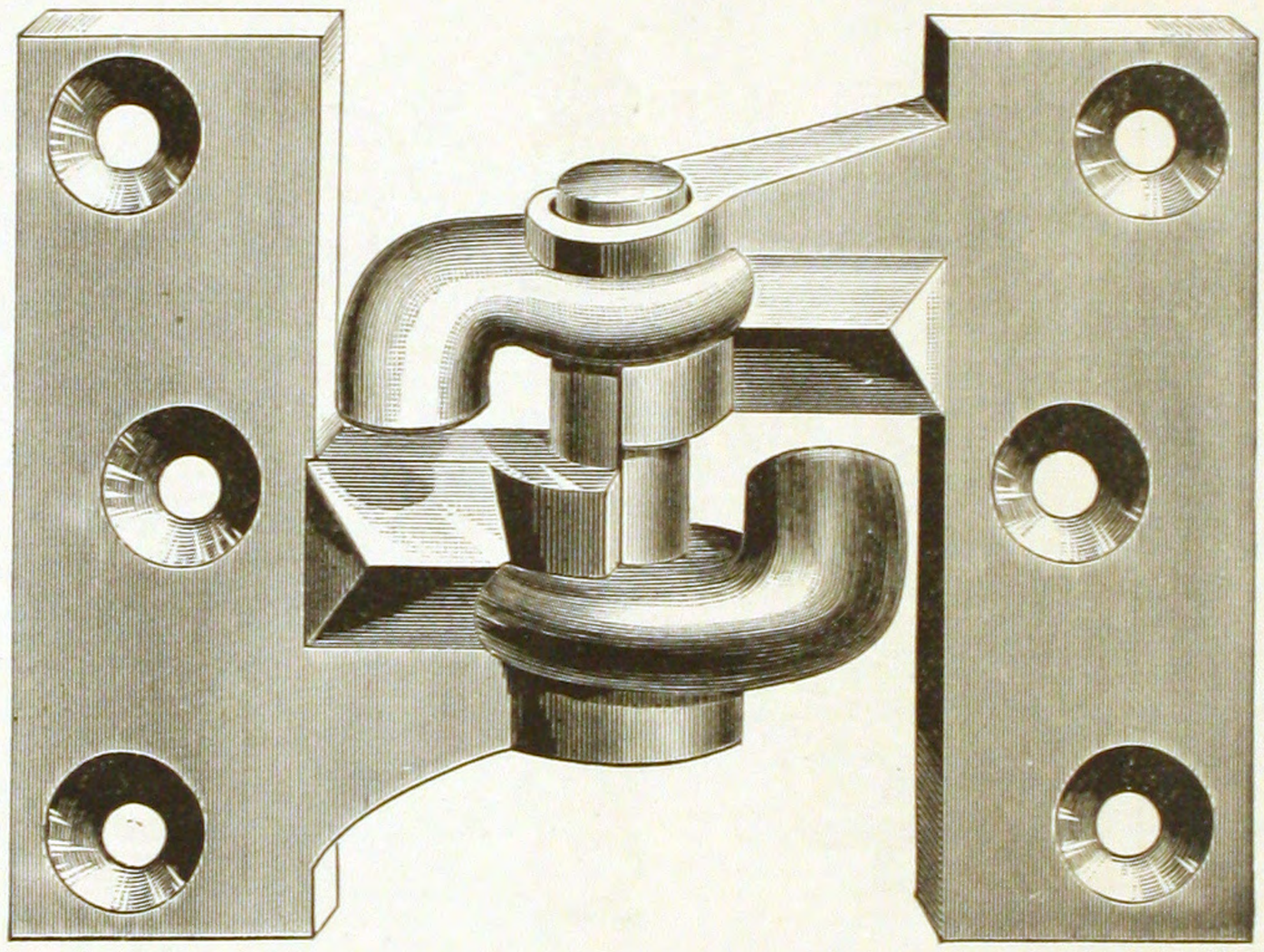
No. 80, 3 inch, Walnut Bronzed, ... $7 00 per dozen pairs.

½ dozen pairs in a box. 6 dozen in a case.

LULL & PORTER'S

PATENT

Self-Fastening Shutter Hinges.



Complete with Inside Fastenings.

No. 00,	7	inches when open,	. . . . .	$8 00	per dozen pairs.
" 0,	6½	"	"	"	. . . . .	6 00	"	"
" 1,	5½	"	"	"	. . . . .	4 50	"	"
" 1½,	5	"	"	"	. . . . .	4 20	"	"
" 2,	4½	"	"	"	. . . . .	3 90	"	"
" 2½,	3⅝	"	"	"	. . . . .	3 50	"	"
" 3,	3⅛	"	"	"	. . . . .	3 15	"	"
" 4,	3	"	"	"	. . . . .	2 50	"	"

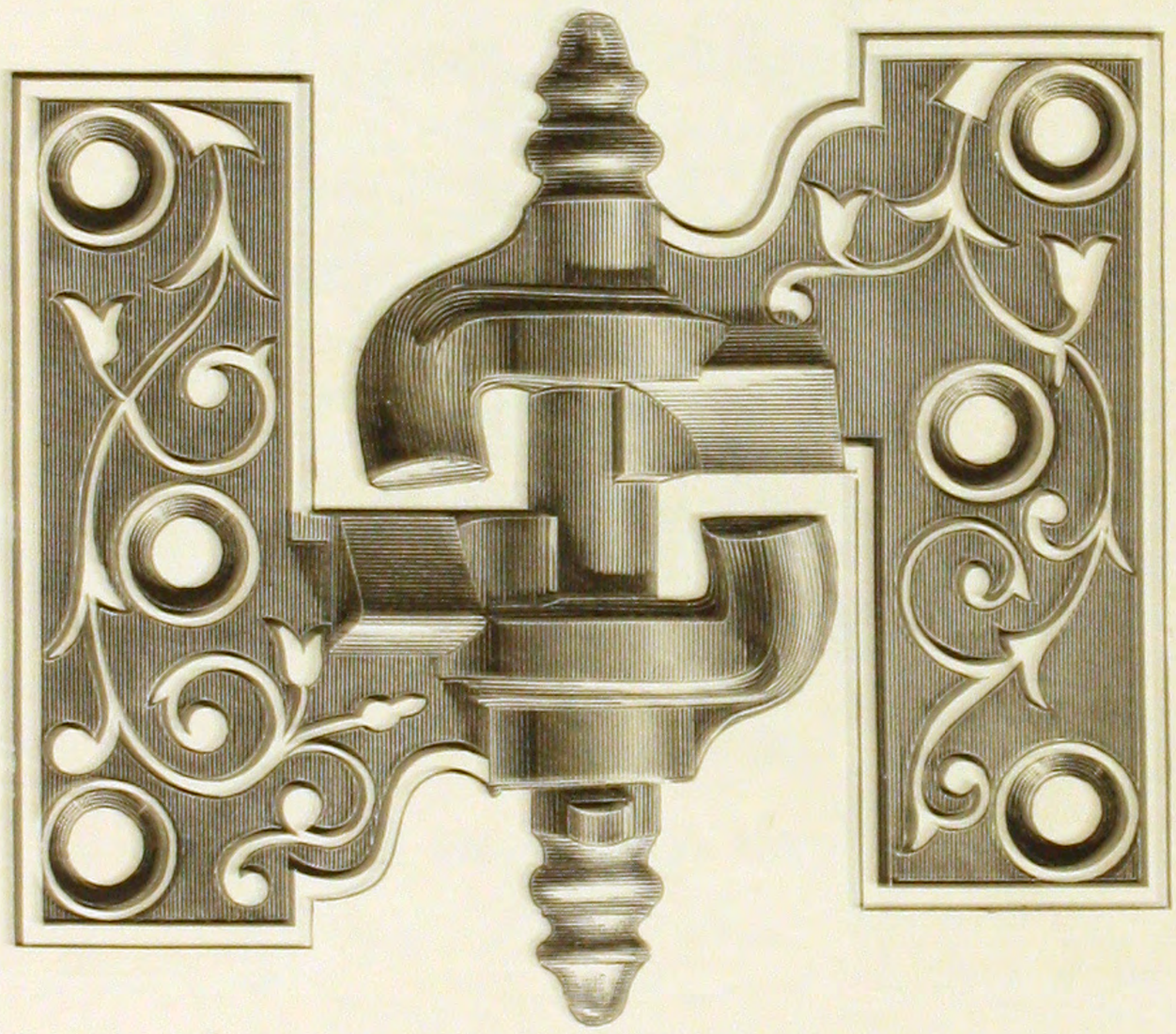
Nos. 3 and 4, 1 dozen pairs in a box. No. 2½ and larger, ½ dozen. Nos. 00 and 0, 6 dozen pairs in a case. All others, 12 dozen pairs.

LULL & PORTER'S

PATENT

Self-Fastening Shutter Hinges.

FIGURED AND STEEPLE TIPS.



Full Size Cut of No. 12½.

Complete with Inside Fastenings.

No. 20,	7 inches when open,	$8 00	per dozen pairs.
" 10,	6½ " " "	6 00	" "
" 11,	5½ " " "	4 50	" "
" 11½,	5 " " "	4 20	" "
" 12,	4½ " " "	3 90	" "
" 12½,	3⅝ " " "	3 50	" "
" 13,	3⅛ " " "	3 15	" "

No. 13, 1 dozen pairs in a box. No. 12½ and larger, ½ dozen.

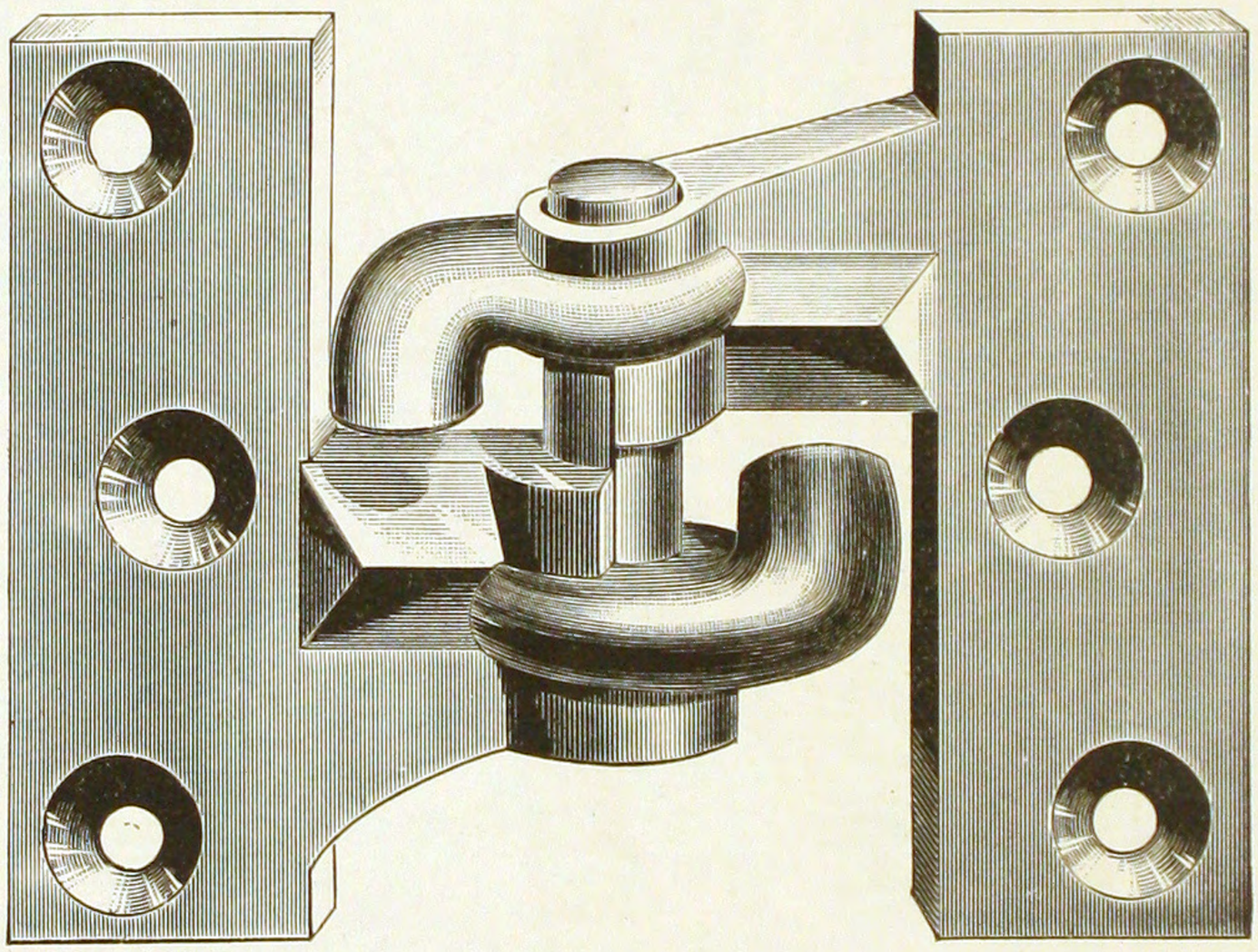
Nos. 20 and 10, 6 dozen pairs in a case. All others, 12 dozen.

These Hinges have a stop on the pin to prevent the Hinge from coming out in opening or closing.

LULL & PORTER'S

PATENT

Self-Fastening Shutter Hinges.



Complete with Inside Fastenings.

No. 00,	7	inches when open,	. . . . .	$8 00	per dozen pairs.
" 0,	6½	" " "	. . . . .	6 00	" "
" 1,	5½	" " "	. . . . .	4 50	" "
" 1½,	5	" " "	. . . . .	4 20	" "
" 2,	4½	" " "	. . . . .	3 90	" "
" 2½,	3⅝	" " "	. . . . .	3 50	" "
" 3,	3⅛	" " "	. . . . .	3 15	" "
" 4,	3	" " "	. . . . .	2 50	" "

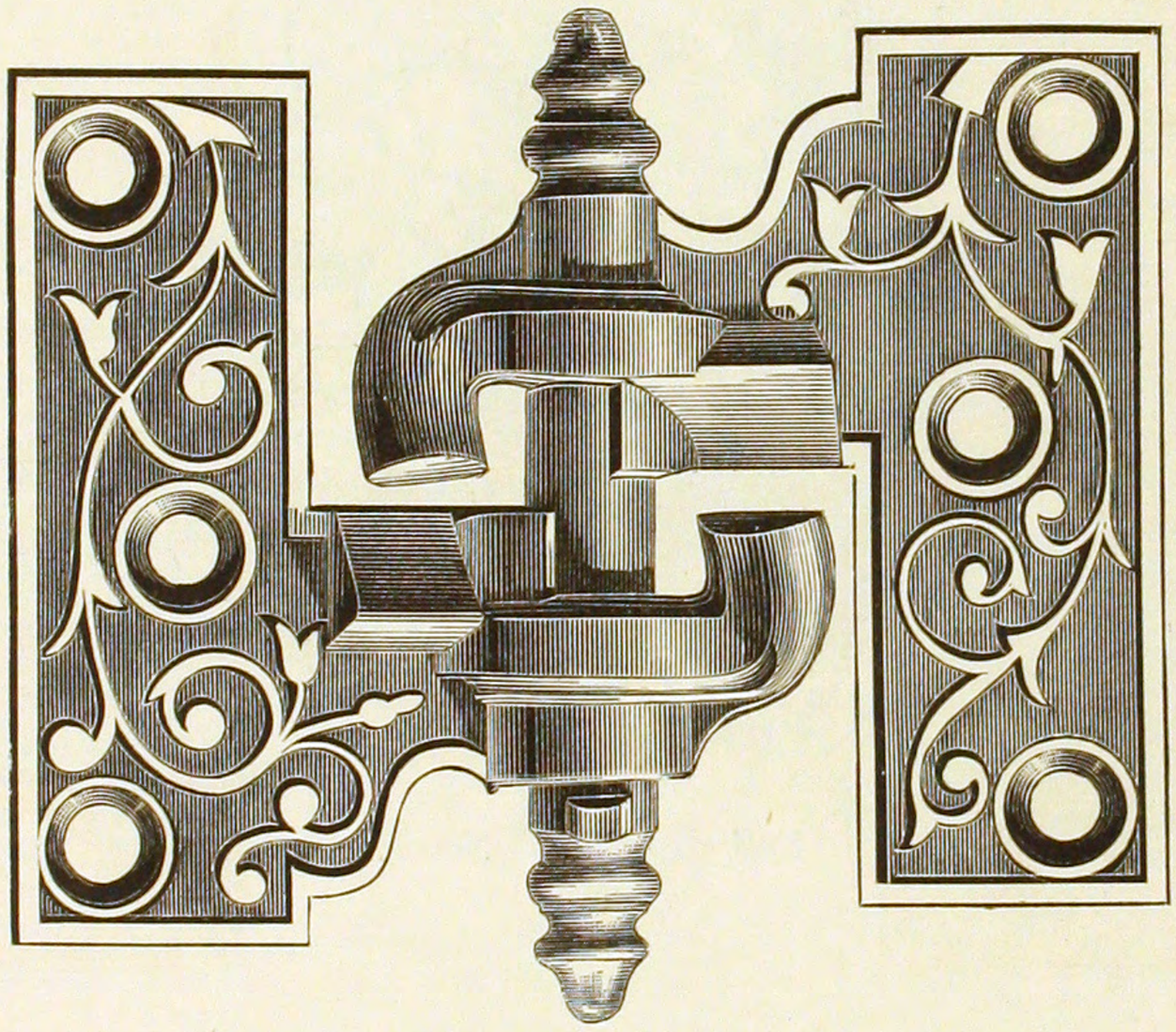
Nos. 3 and 4, 1 dozen pairs in a box. No. 2½ and larger, ½ dozen. Nos. 00 and 0, 6 dozen pairs in a case. All others, 12 dozen pairs.

LULL & PORTER'S

PATENT

Self-Fastening Shutter Hinges.

FIGURED AND STEEPLE TIPS.



Full Size Cut ot No. 12½.

Complete with Inside Fastenings.

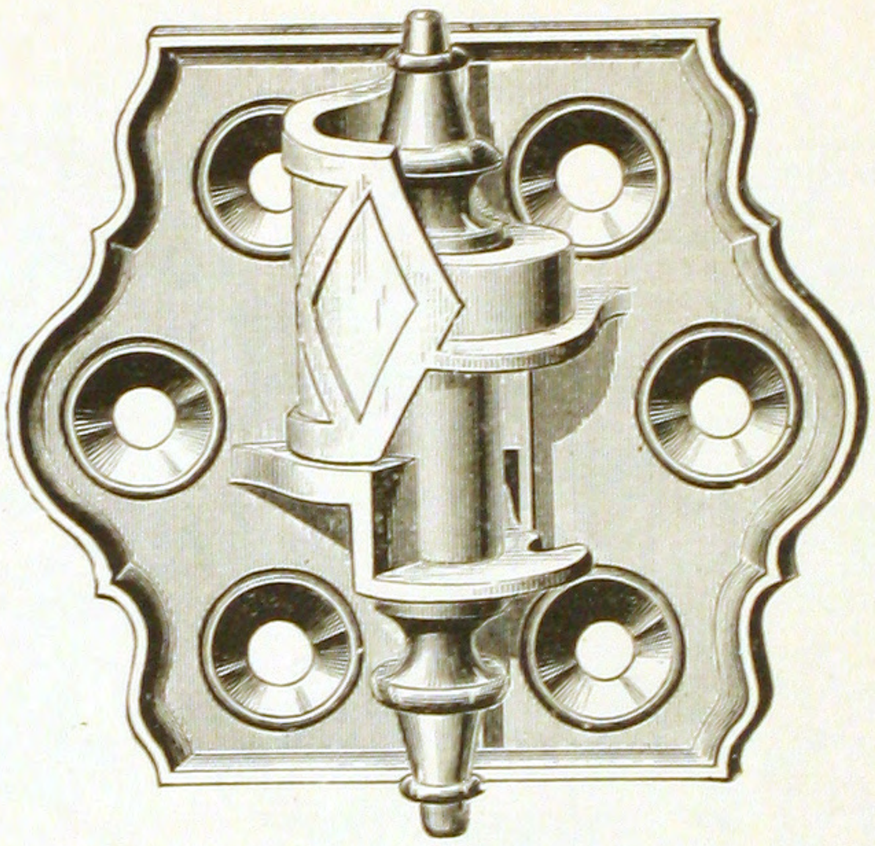
No. 20,	7 inches when open,	$8 00	per dozen pairs.
" 10,	6½ " " "	6 00	" "
" 11,	5½ " " "	4 50	" "
" 11½,	5 " " "	4 20	" "
" 12,	4½ " " "	3 90	" "
" 12½,	3⅝ " " "	3 50	" "
" 13,	3⅛ " " "	3 15	" "

No. 13, 1 dozen pairs in a box. No. 12½ and larger, ½ dozen.

Nos. 20 and 10, 6 dozen pairs in a case. All others, 12 dozen.

These Hinges have a stop on the pin to prevent the Hinge from coming out in opening or closing.

GRAVITY BLIND HINGES.



Full size Cut of No. 1.

Complete with Inside Fastenings.

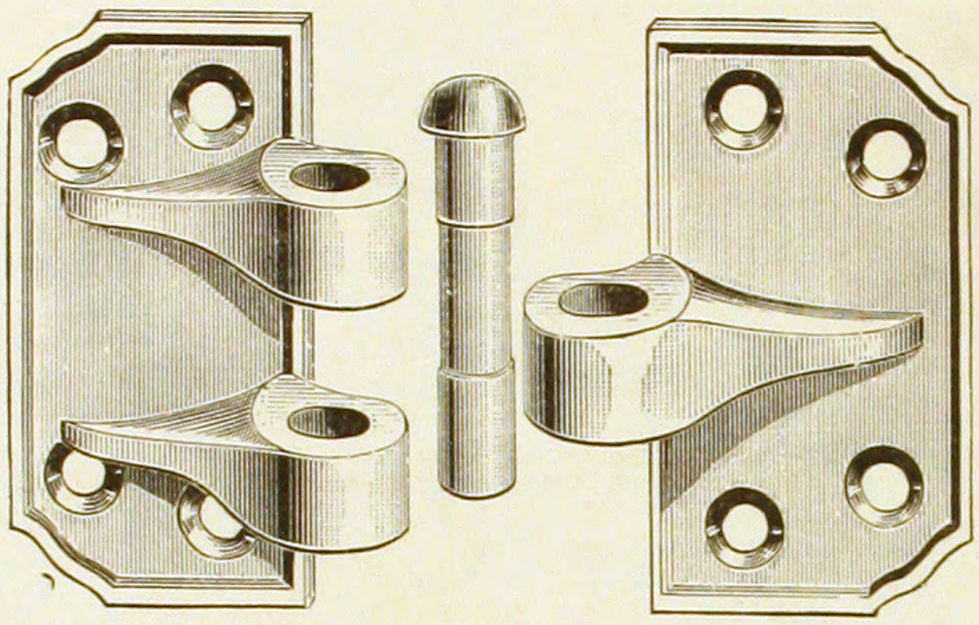
No. 1,	For Wood, ...	$3 50 per dozen sets.
" 3,	" Brick, ...	5 25 " "

No. 1, ½ dozen sets in a box. 6 dozen sets in a case.

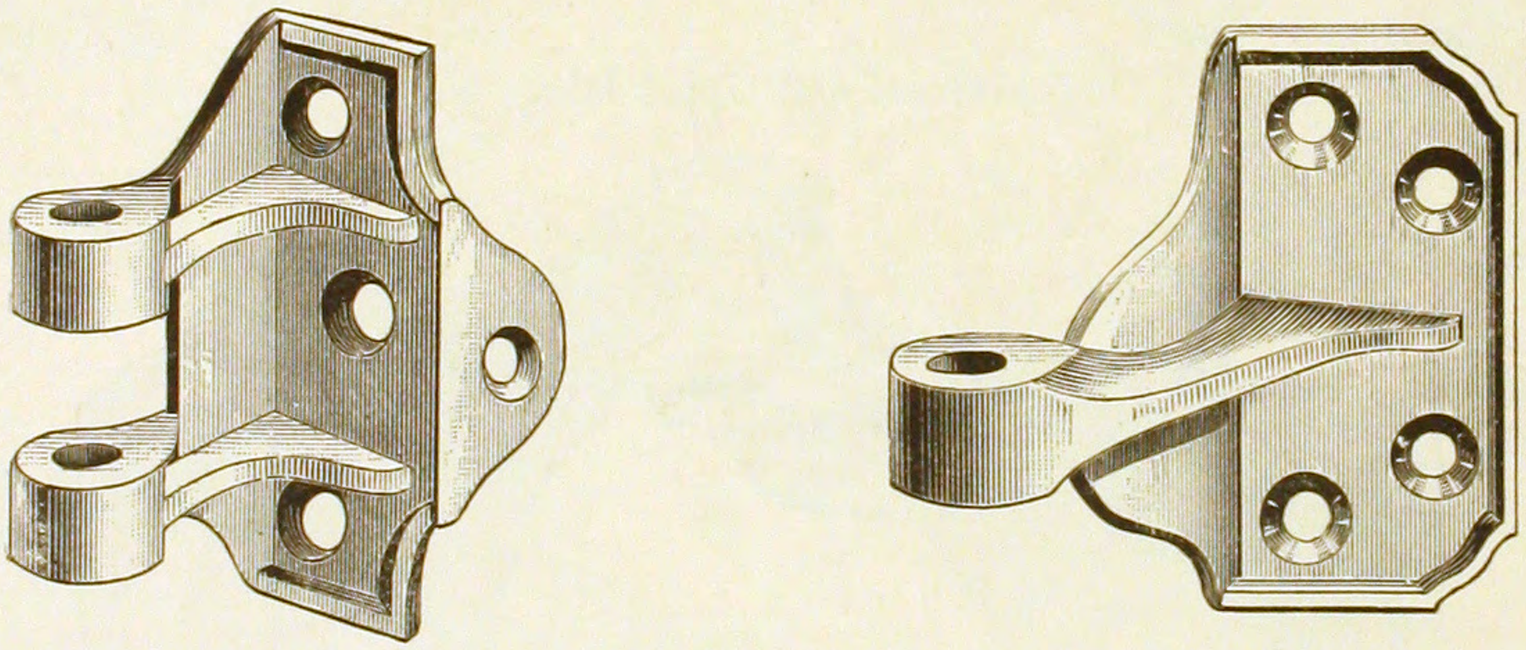
No. 3, ½ dozen sets in a box. 6 dozen sets in a case.

Improved Gate Hinge and Latch.

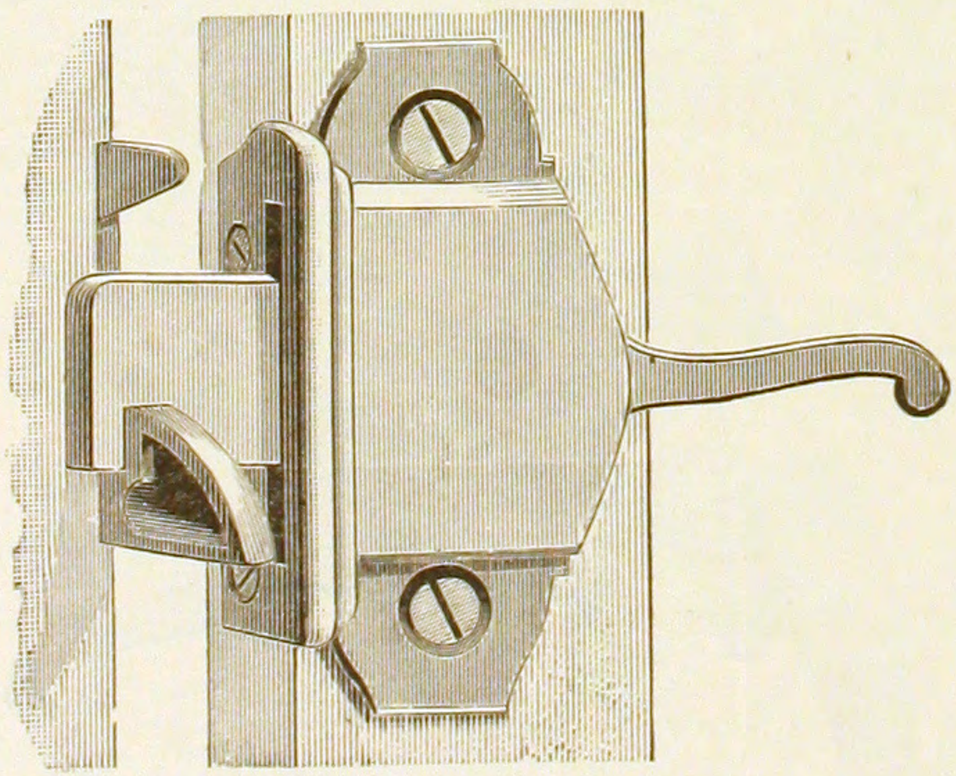
REVERSIBLE SELF-CLOSING.



Half size Cut of Upper Hinge. No. 1.



Half size Cut of Lower Hinge. No. 1.



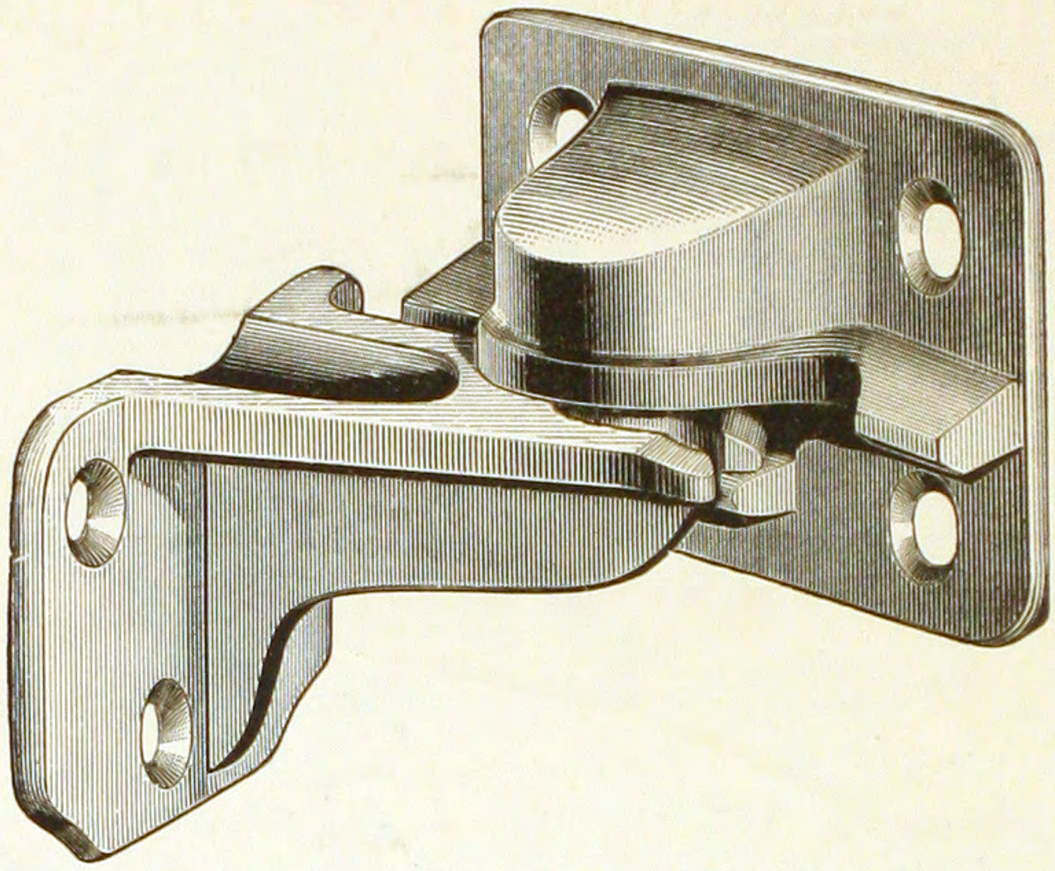
Half size Cut of Gate Latch. No. 1.

No. 1, Improved Gate Hinge and No. 1 Latch and Catch, . .	$6 00	per dozen sets.
" 1, Gate Latch and Catch, ...	2 00	" " "
" 1, Gate Hinge, ...	4 00	" " "

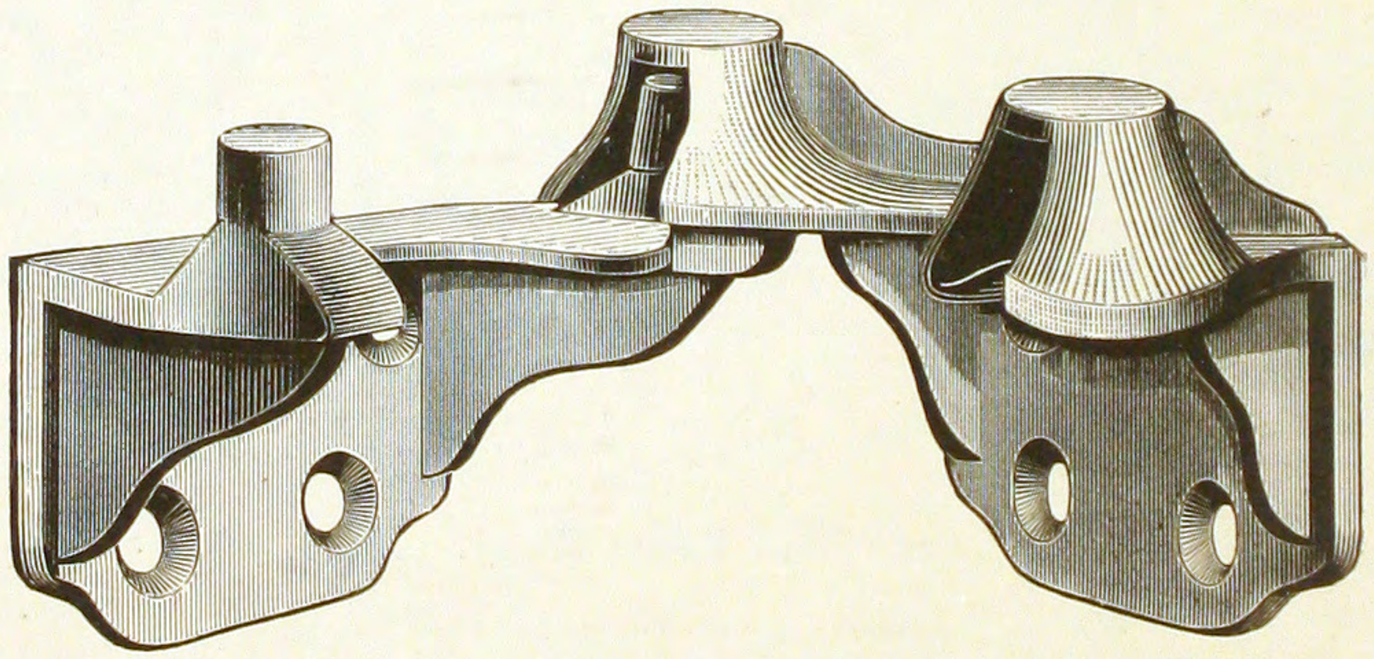
1-12 dozen sets in a box. 2 dozen sets in a case.

Improved Gate Hinge and Latch.

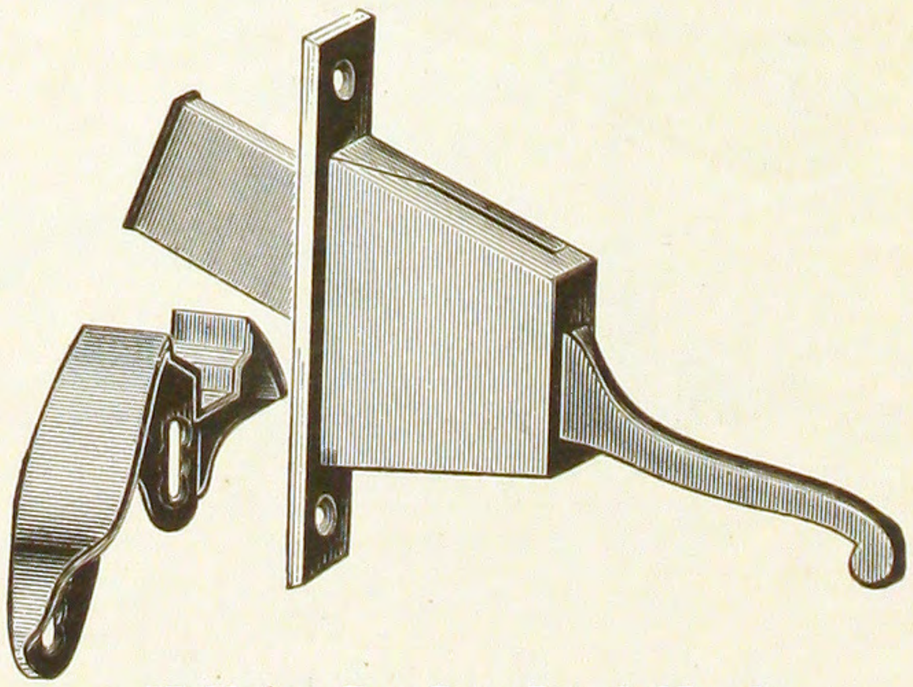
TO SWING BOTH WAYS.



One-third size Cut Upper Hinge No. 2.



One-third size Cut Lower Hinge No. 2.



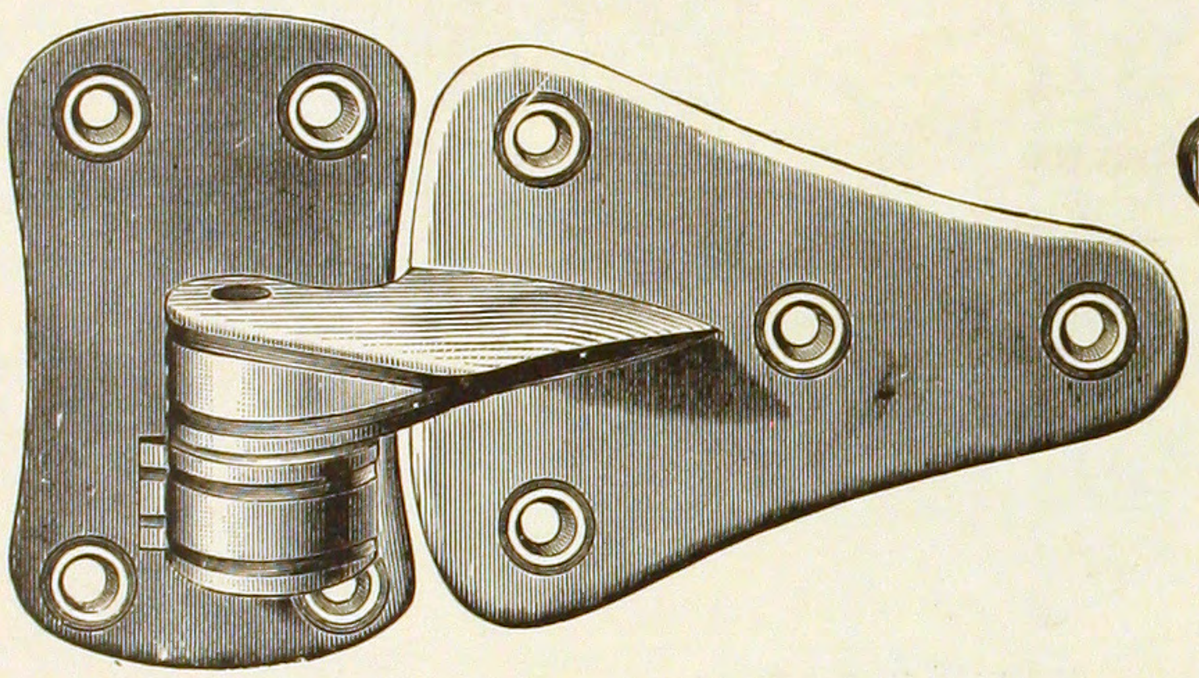
Half size Cut Gate Latch No. 2.

No. 2, Improved Gate Hinge and No. 2 Latch, ...	$8 00	per dozen sets.
" 2, Gate Latch and Catch, ...	2 00	" "
" 2, Improved Gate Hinge, ...	6 00	" "

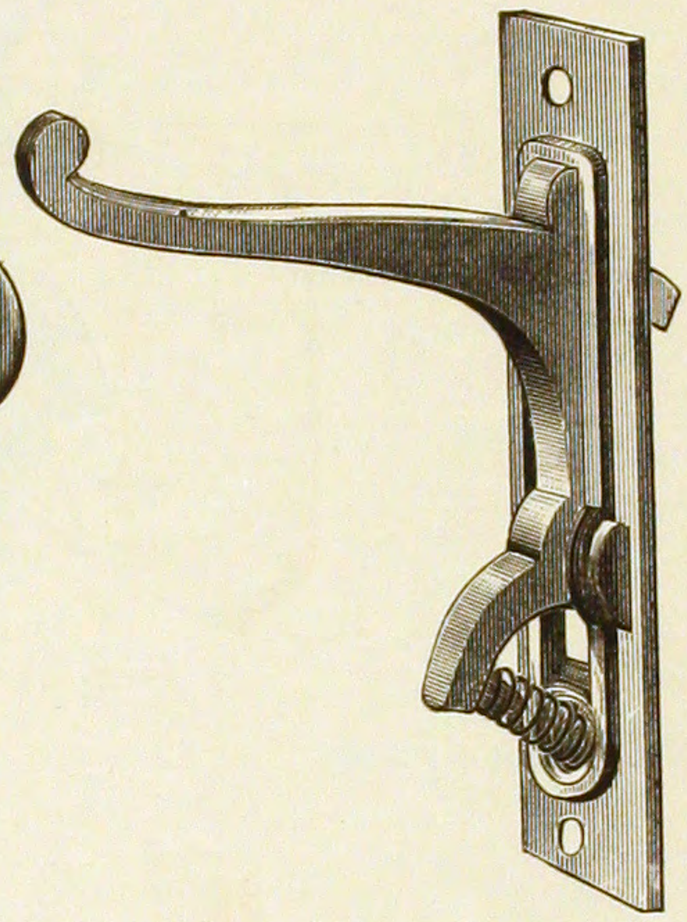
1-12 dozen sets in a box. 2 dozen sets in a case.

New England Gate Hinges.

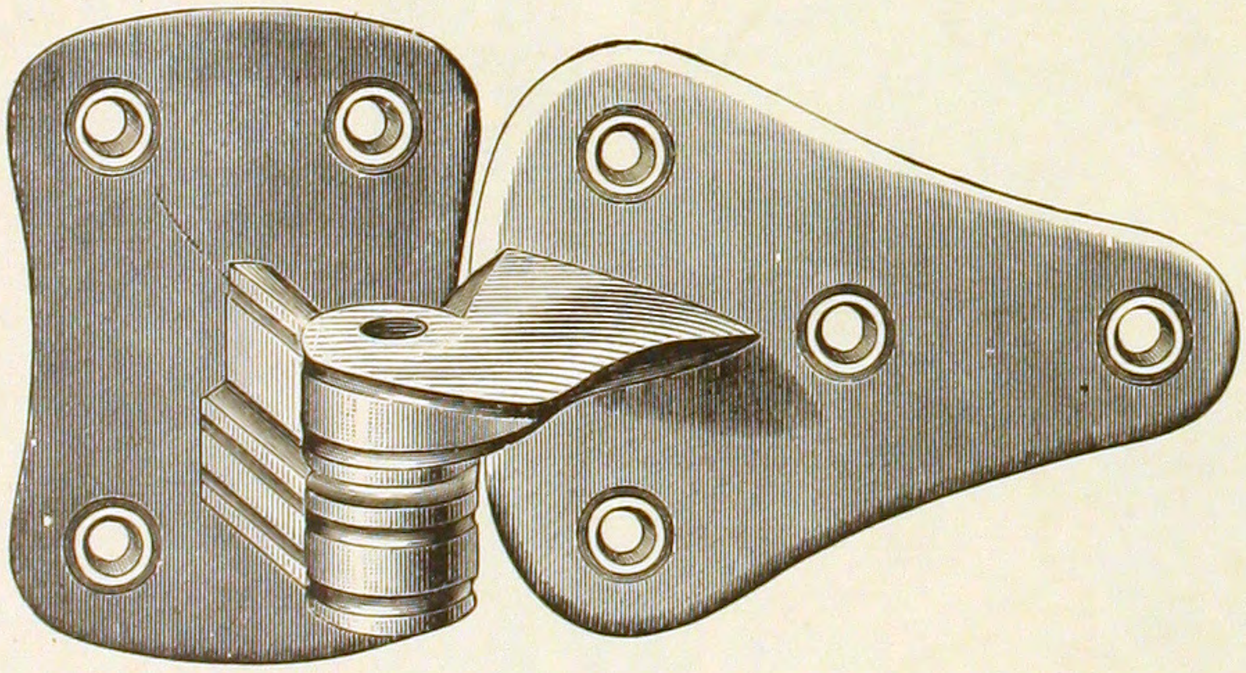
REVERSIBLE. SELF-CLOSING.



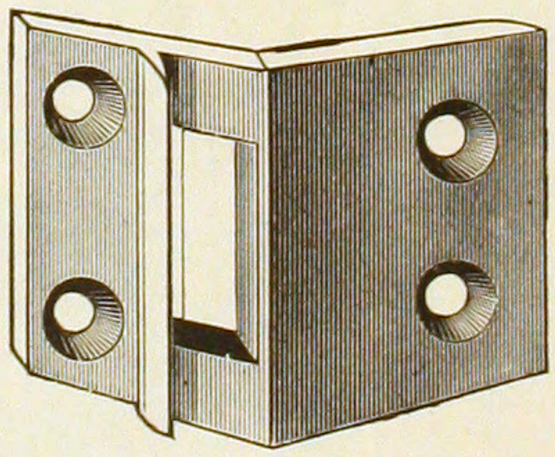
Upper Hinge.



No. 3 Latch.



Lower Hinge.



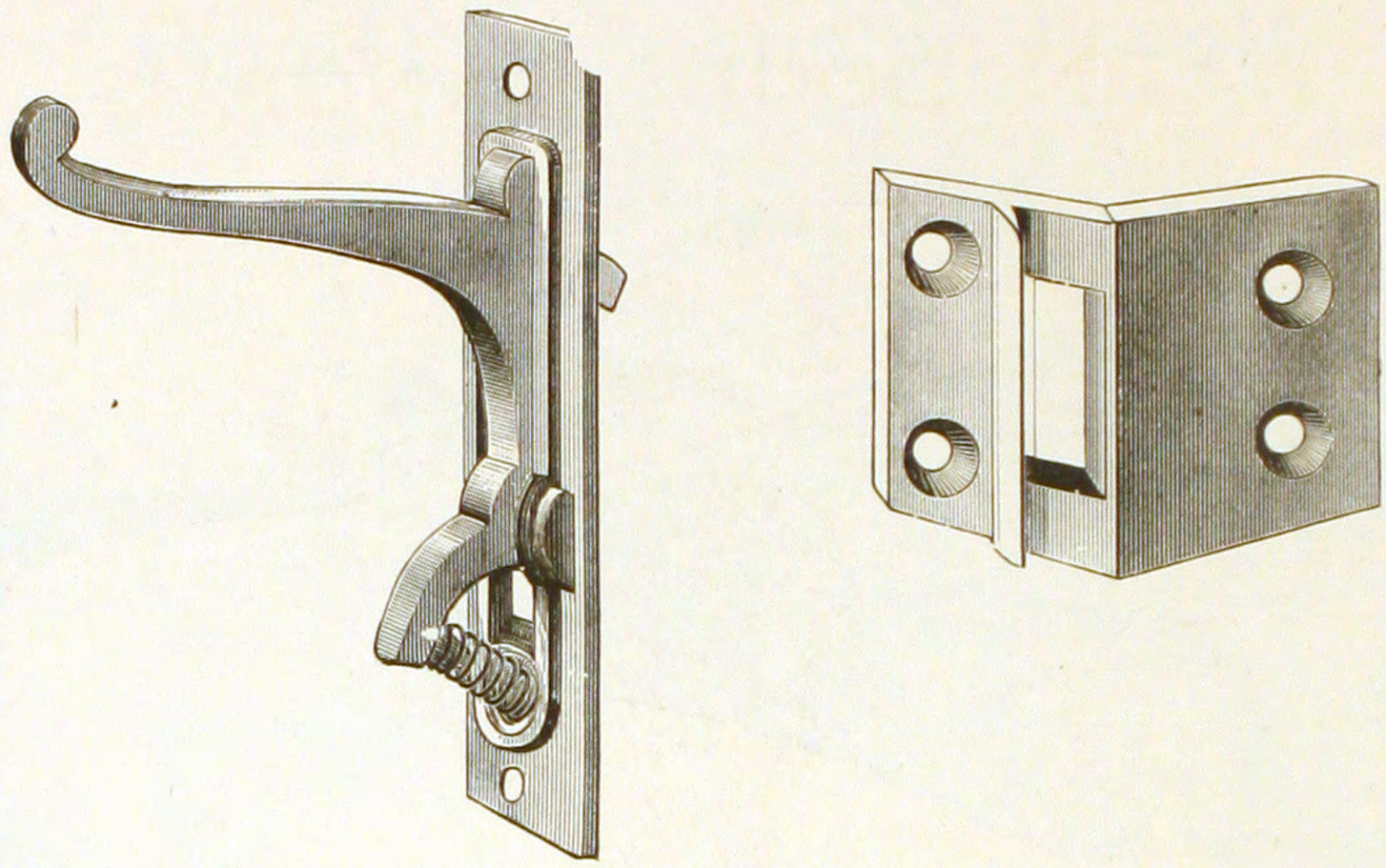
No. 3 Catch.

Either Right or Left hand.

No. 6,	Gate Hinge with No. 3 Latch and Catch,	.	.	.	$7 50	per dozen sets.
" 8,	"	"	"	"	"	.	.	.	8 25	"	"
" 6,	"	"	without Latch,	.	.	.	.	.	6 10	"	"
" 8,	"	"	"	.	.	.	.	.	6 85	"	"

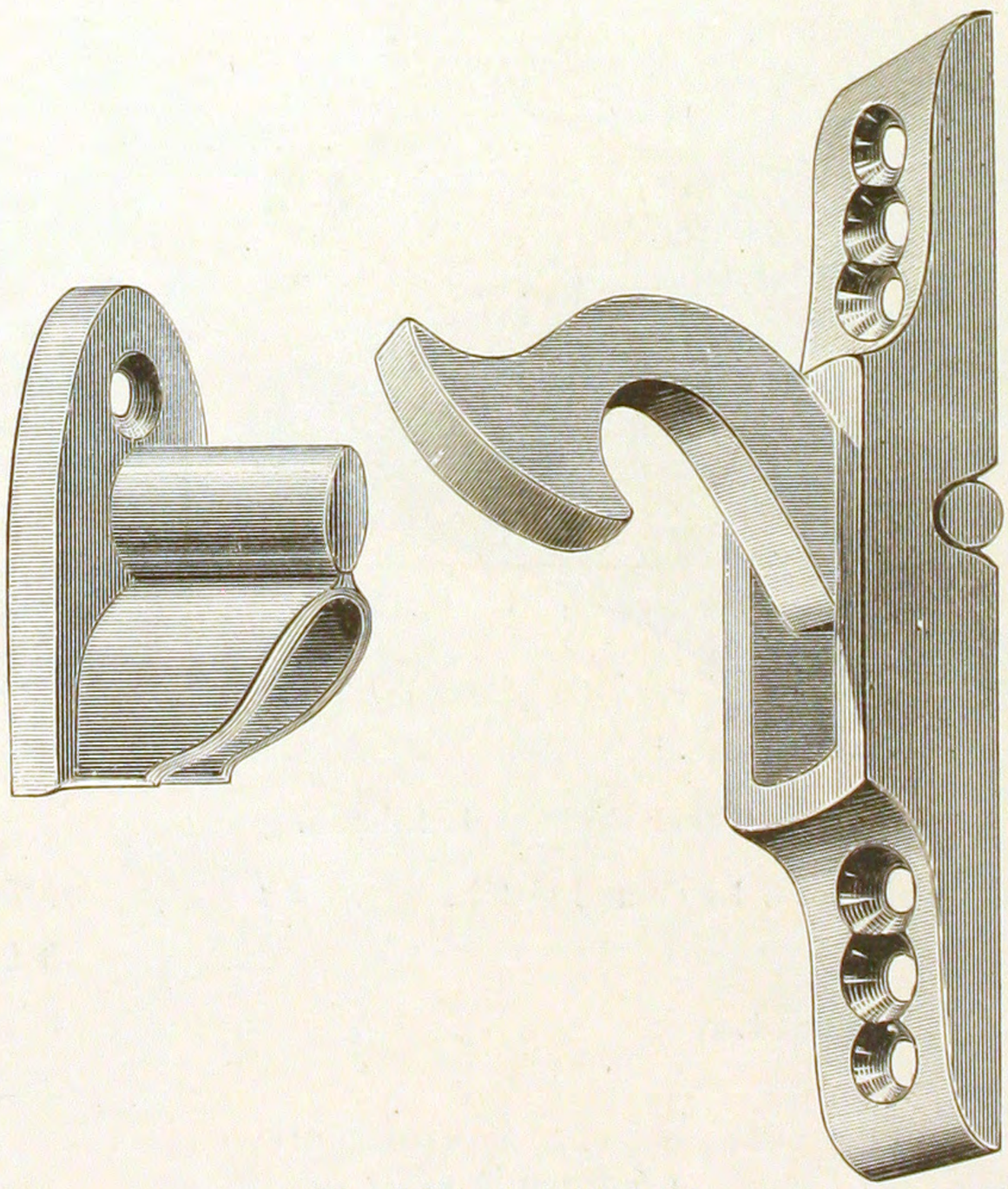
1-6 dozen in a box.

GATE LATCHES.



No. 3 Latch and Catch.

No. 3, not riveted, ... $1 40 per dozen.



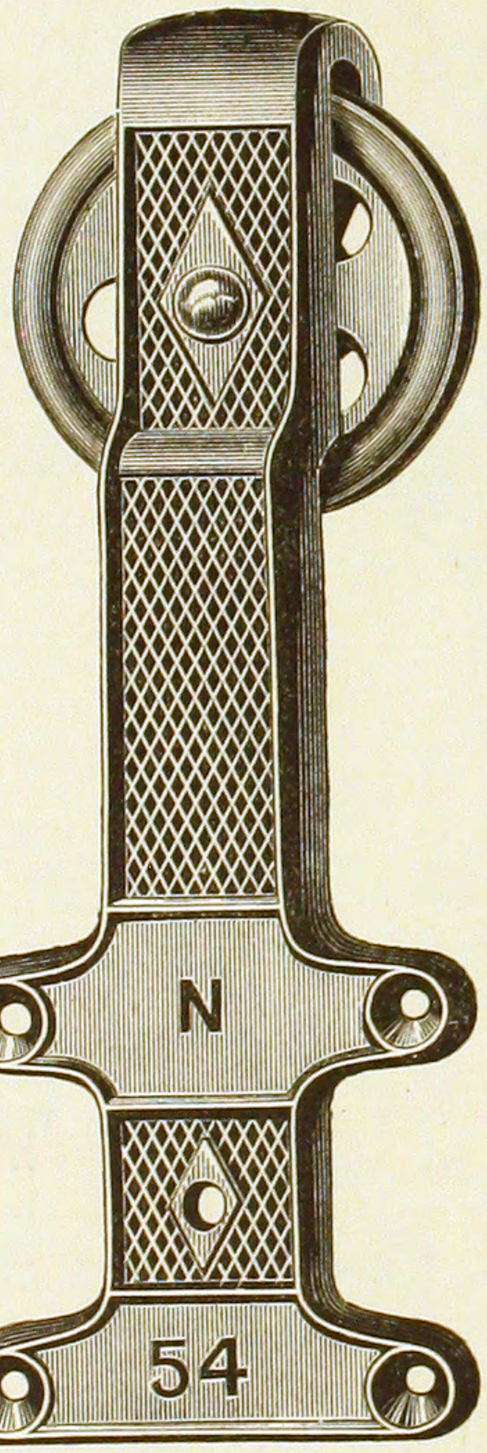
No. 5 Latch and Catch.

No. 5, Surface Japanned, ... $1 60 per dozen.

1 dozen sets in a box.

BARN DOOR HANGERS.

DIAMOND PATTERN.



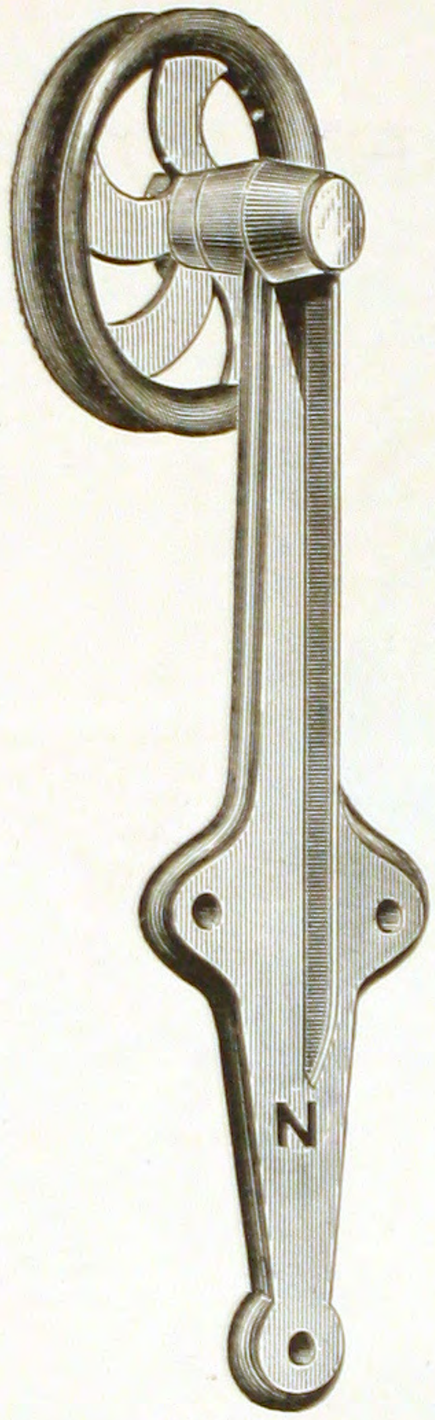
For Flat or Angle Rail.

No. 53, 3 inch,	$5 00 per dozen pairs.
" 54, 4 "	8 00 " "
" 55, 5 "	10 00 " "
" 56, 6 "	13 00 " "

12 pairs in a case.

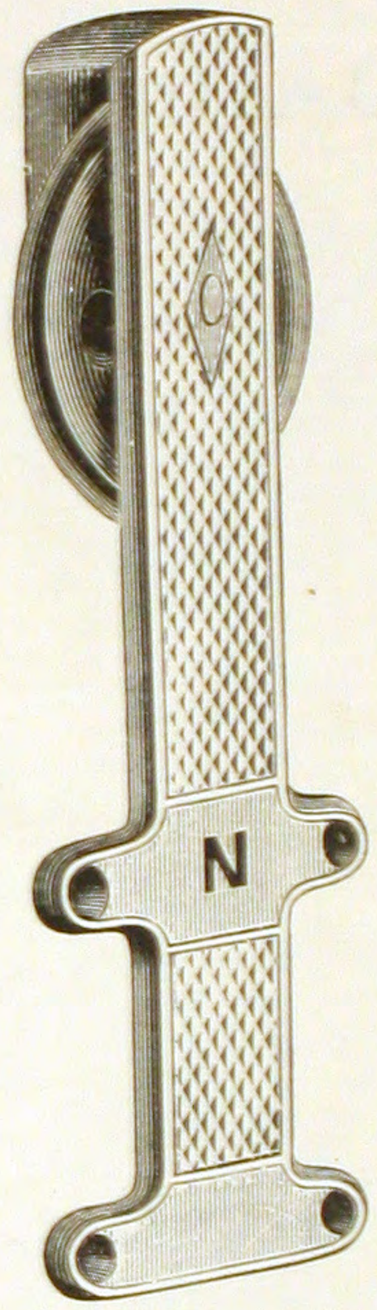
No charge for cases when ordered in original packages.

BARN DOOR HANGERS.



No. 2.

3	in.	Wheel,	10	in.	Strap, per doz. prs.,	$6	60
4	"		11	"	" "	8	16
5	"		13	"	" "	10	20
6	"		16	"	" "	12	00
7	"		19	"	" "	24	00



No. 5.

For Flat or Angle Rail.

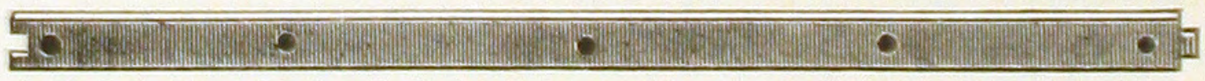
3	in.	Wheel,	10	in.	Strap, per doz. prs.,	$7	00
4	"		13	"	" "	10	20
5	"		15	"	" "	15	60
6	"		18	"	" "	22	20

12 pairs in a case. No charge for cases when ordered in original packages.

BARN DOOR RAIL.



Half Round. Nos. 1 and 2.



Flat. No. 4.

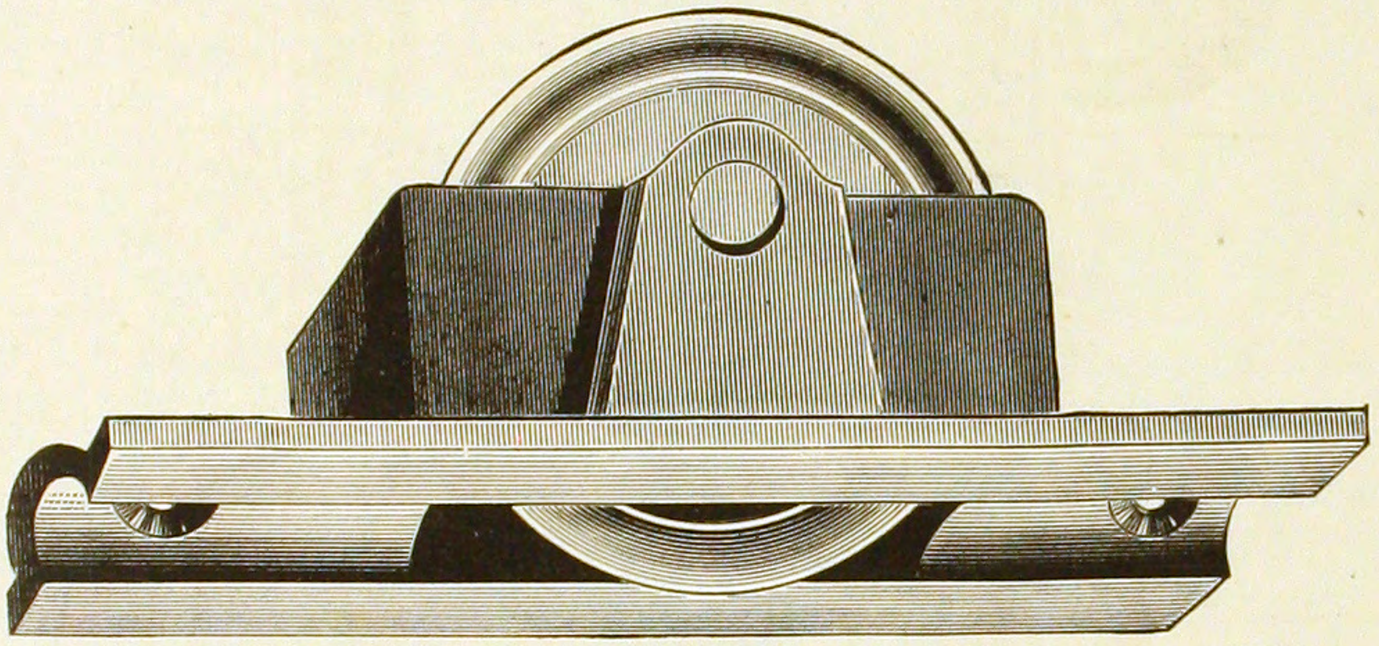


Angle. No. 5.

No. 1,	½ inch, for 3 inch No. 2 Hanger,	. . . . .	6 cents per foot.
" 2,	⅝ inch, for 4, 5 and 6 inch No. 2 Hanger,	. . . .	8 " "
" 4,	Flat, for 3, 4, 5 and 6 inch No. 5,	. . . . .	8 " "
" 5,	Angle,	. . . . .	6½ " "

Packed in cases of 200 feet. No charge for cases when ordered in original packages.

SLIDING DOOR SHEAVES.

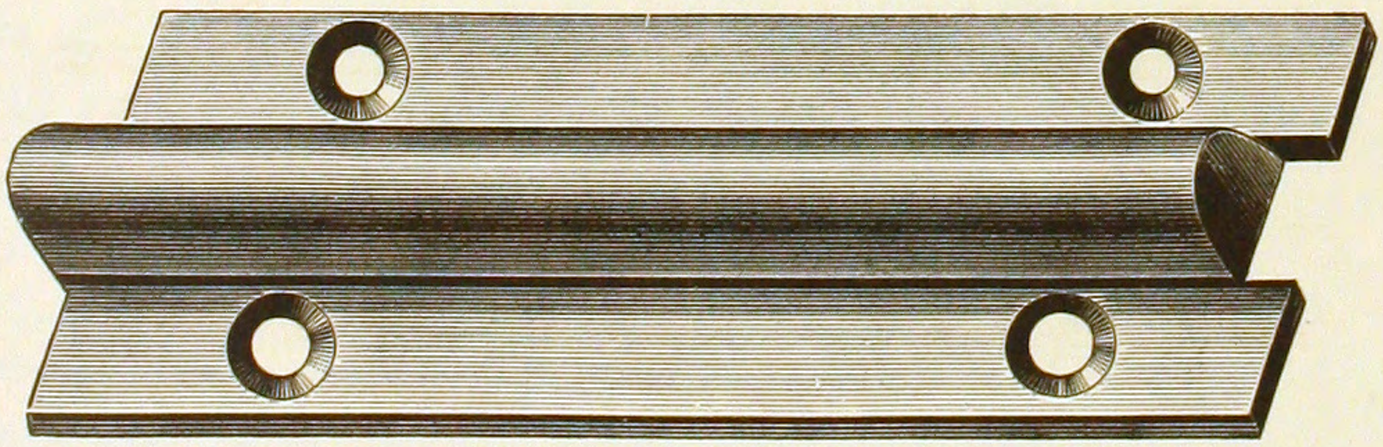


1¾ inch,	. . . . .	$0 50 per set of four.
2¼ "	. . . . .	75 " "
3 "	. . . . .	1 12 " "
4 "	. . . . .	1 37 " "
5 "	. . . . .	1 75 " "

One set (4 sheaves) in a package.

SLIDING DOOR RAIL.

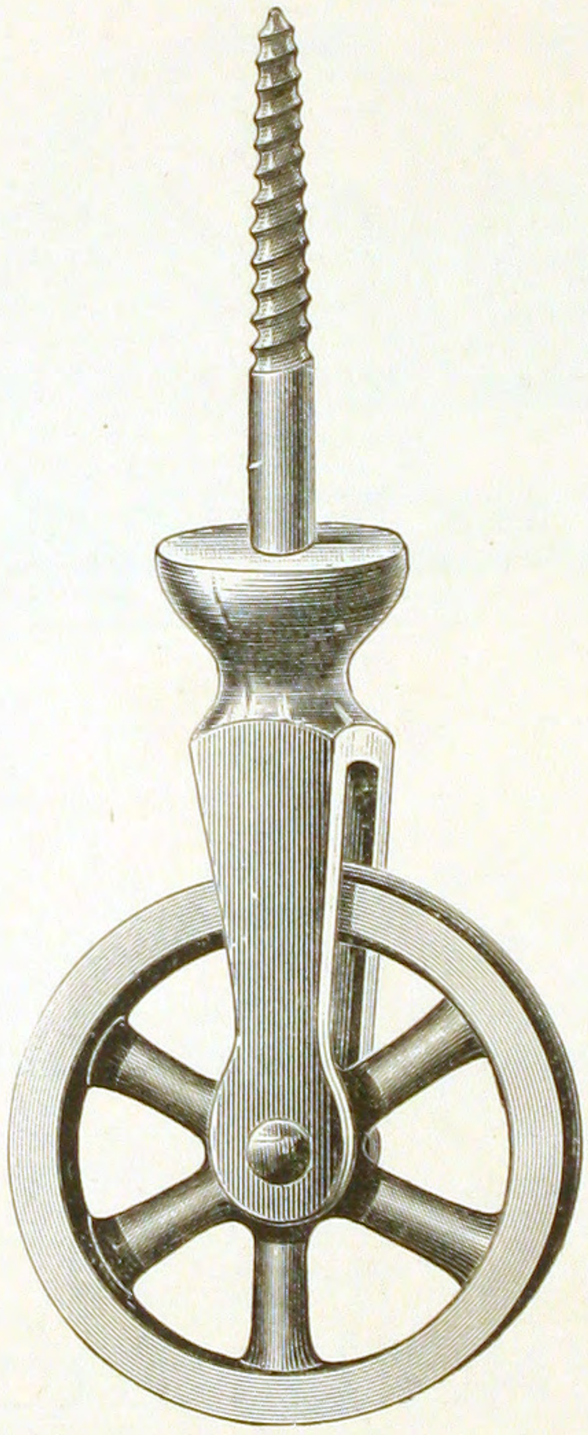
PAINTED.



1¼ inch, ... 6 cents per foot.

100 feet in a case. No charge for cases when ordered in original packages.

SCREW PULLEYS.

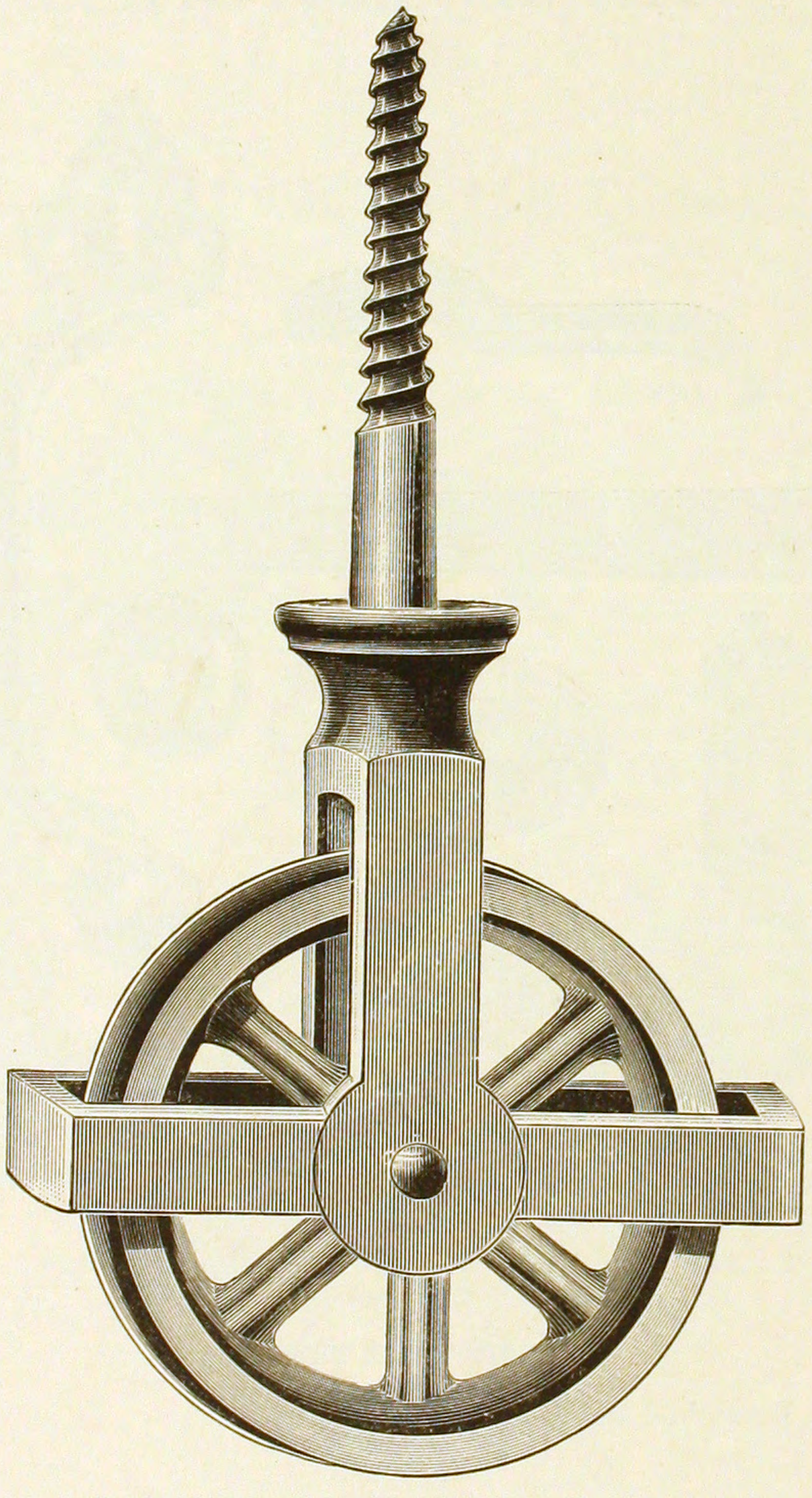


Full size Cut of 1¾ inch.

1¼	inch, Japanned,	$0 38	per dozen.
1½	" "	42	"
1¾	" "	50	"
2	" "	65	"
2¼	" "	1 25	"
2½	" "	1 40	"
3	" "	1 60	"
4	" "	7 50	"
5	" "	10 15	"

1 to 2¼ inch, 2 dozen in a box. 2½ and 3 inch, 1 dozen. 4 and 5 inch, ⅓ dozen.

SHIELD SCREW PULLEYS.

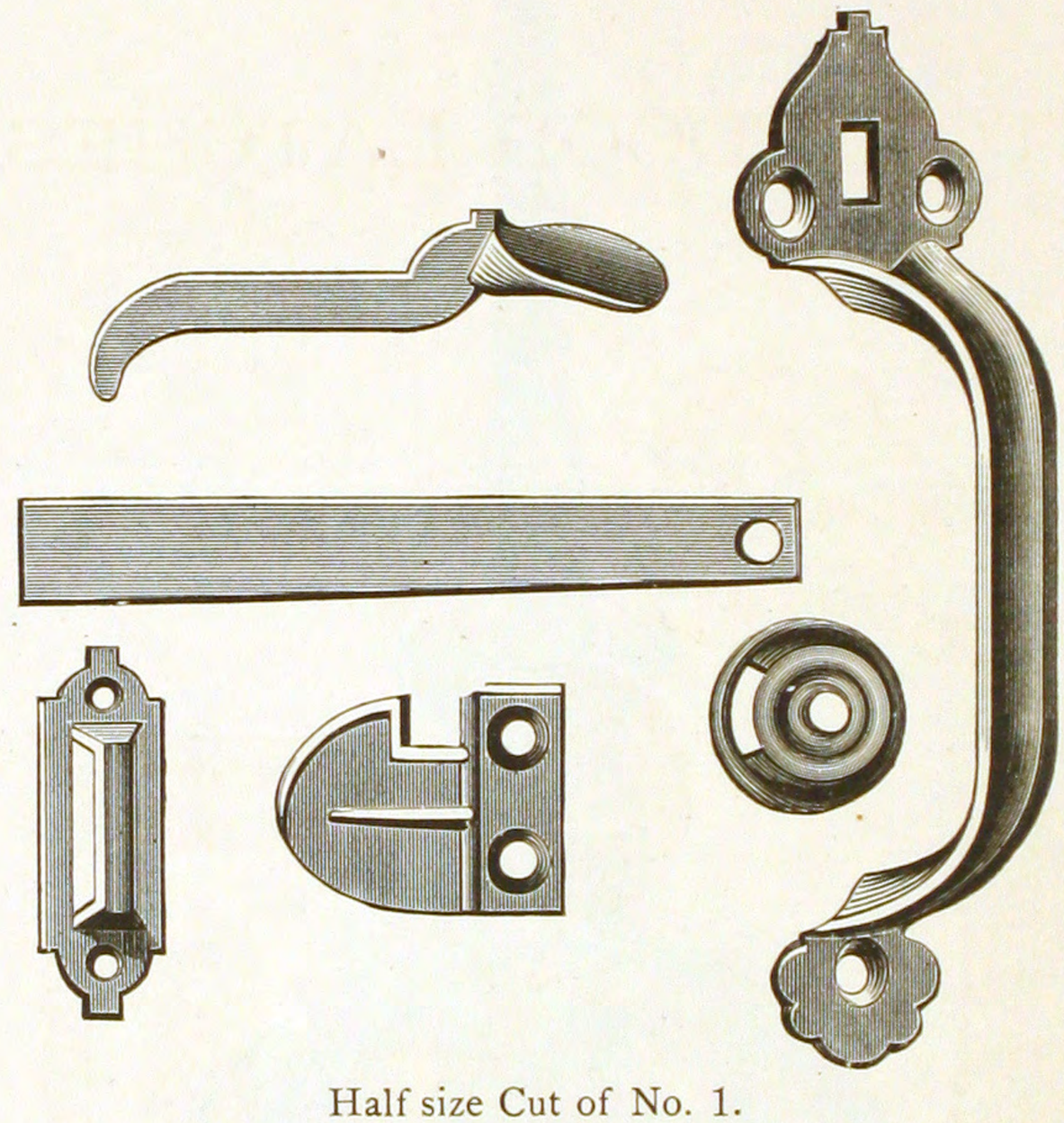


Full size Cut of 2½ inch.

1½ inch, Japanned,	. . . . .	$0 95 per dozen.
2 " "	. . . . .	1 25 "
2¼ " "	. . . . .	1 85 "
2½ " "	. . . . .	2 20 "

1 dozen in a box.

THUMB LATCHES.



Half size Cut of No. 1.

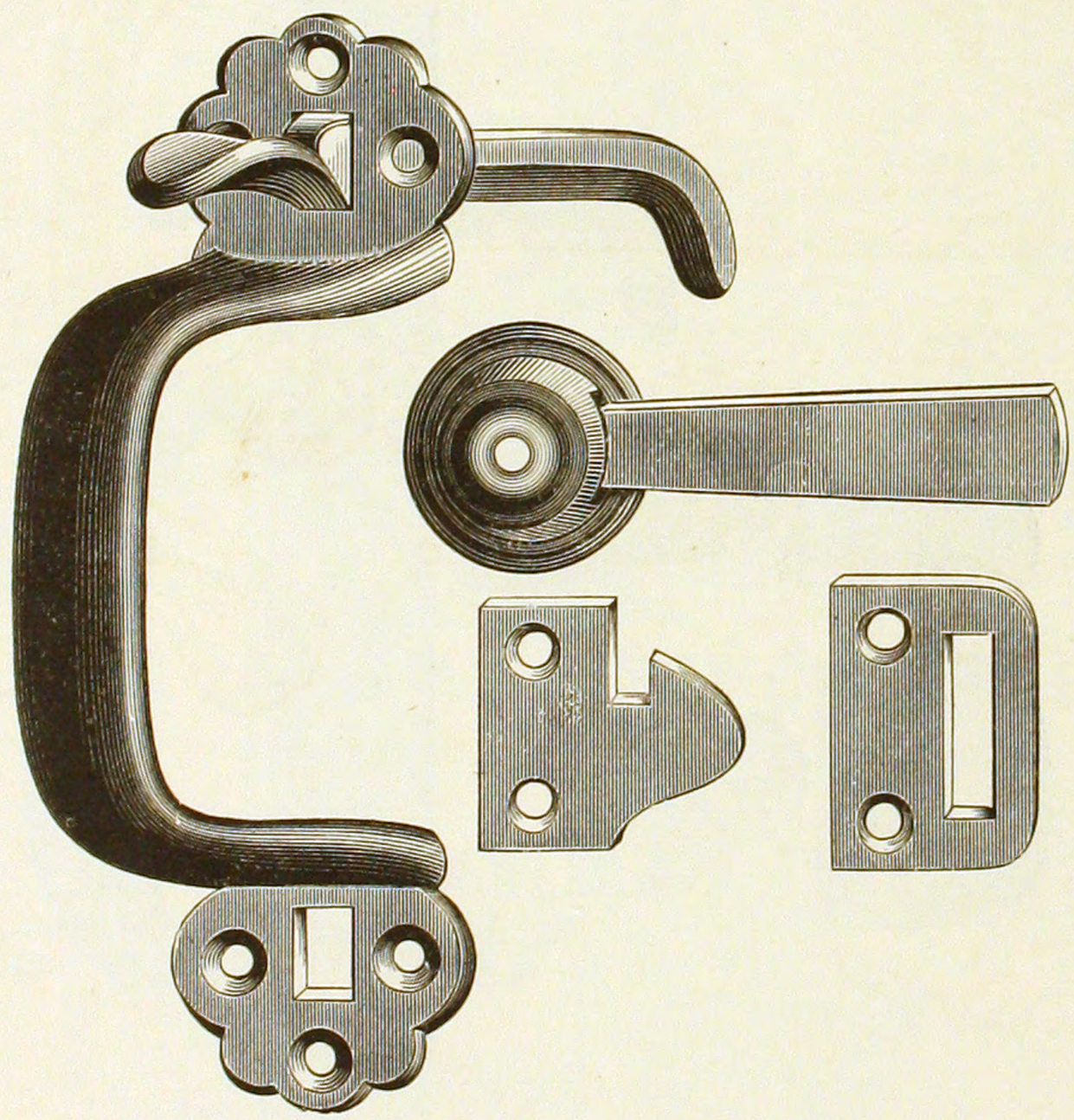
No. 1, Japanned, Wrought Latch,	$0 55 per dozen.
" 2, " " "	65 "
" 3, " " "	75 "
" 4, " " "	85 "

HEAVY PATTERN.

No. 10, Japanned, Wrought Latch,	$0 55 per dozen.
" 11, " " "	70 "
" 12, " " "	80 "
" 13, " " "	90 "
" 14, " " "	1 10 "

1 dozen in a box. Nos. 1, 2, 11 and 12, 24 dozen in a case. Nos. 3, 4, 13 and 14, 12 dozen. No charge for cases when ordered in original packages.

STORE DOOR LATCHES.

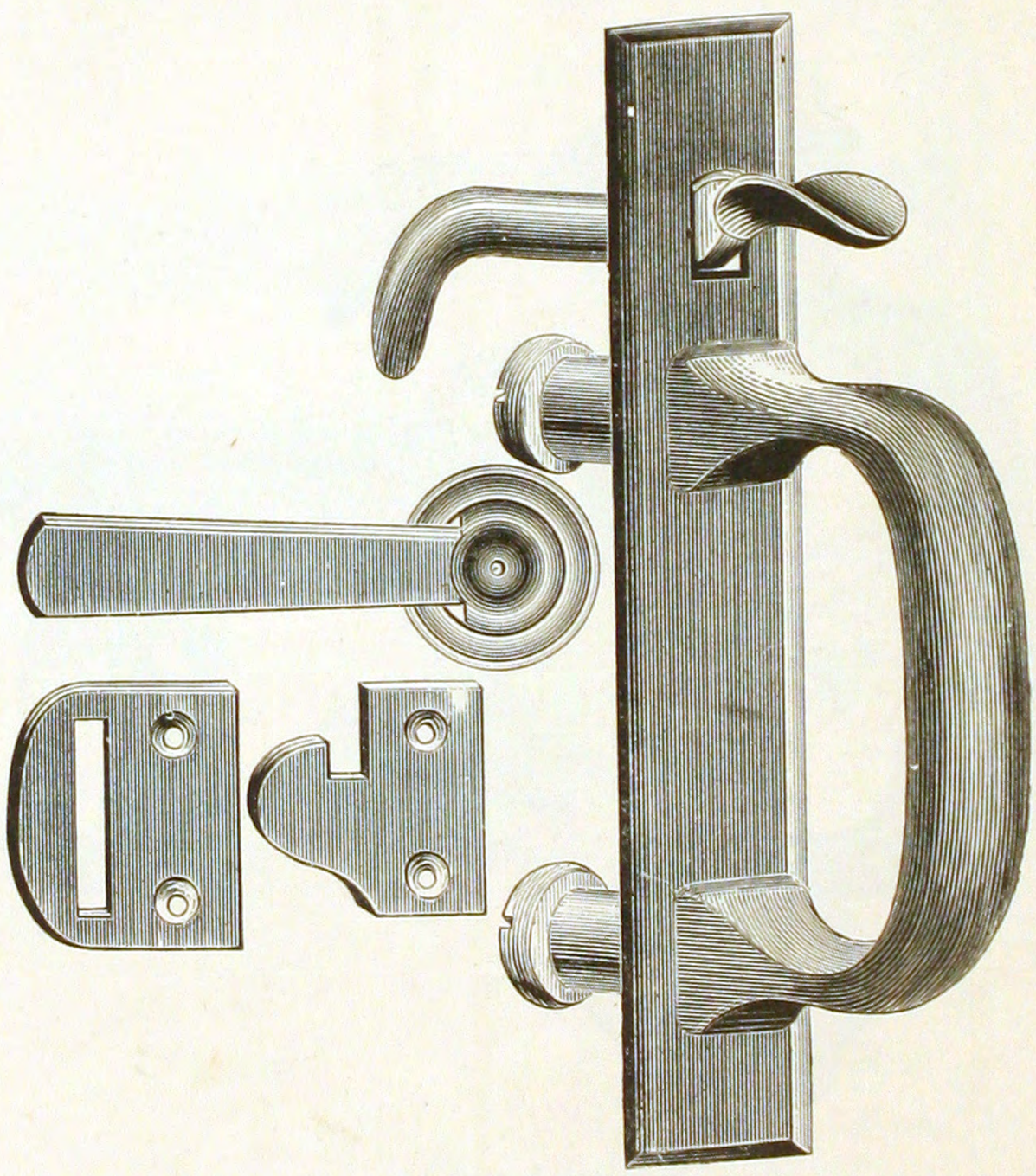


Nos. 1 and 11.

No. 1, Japanned, ...	$2 00 per dozen.
" 11, Galvanized, ...	3 75 "

½ dozen in a box.

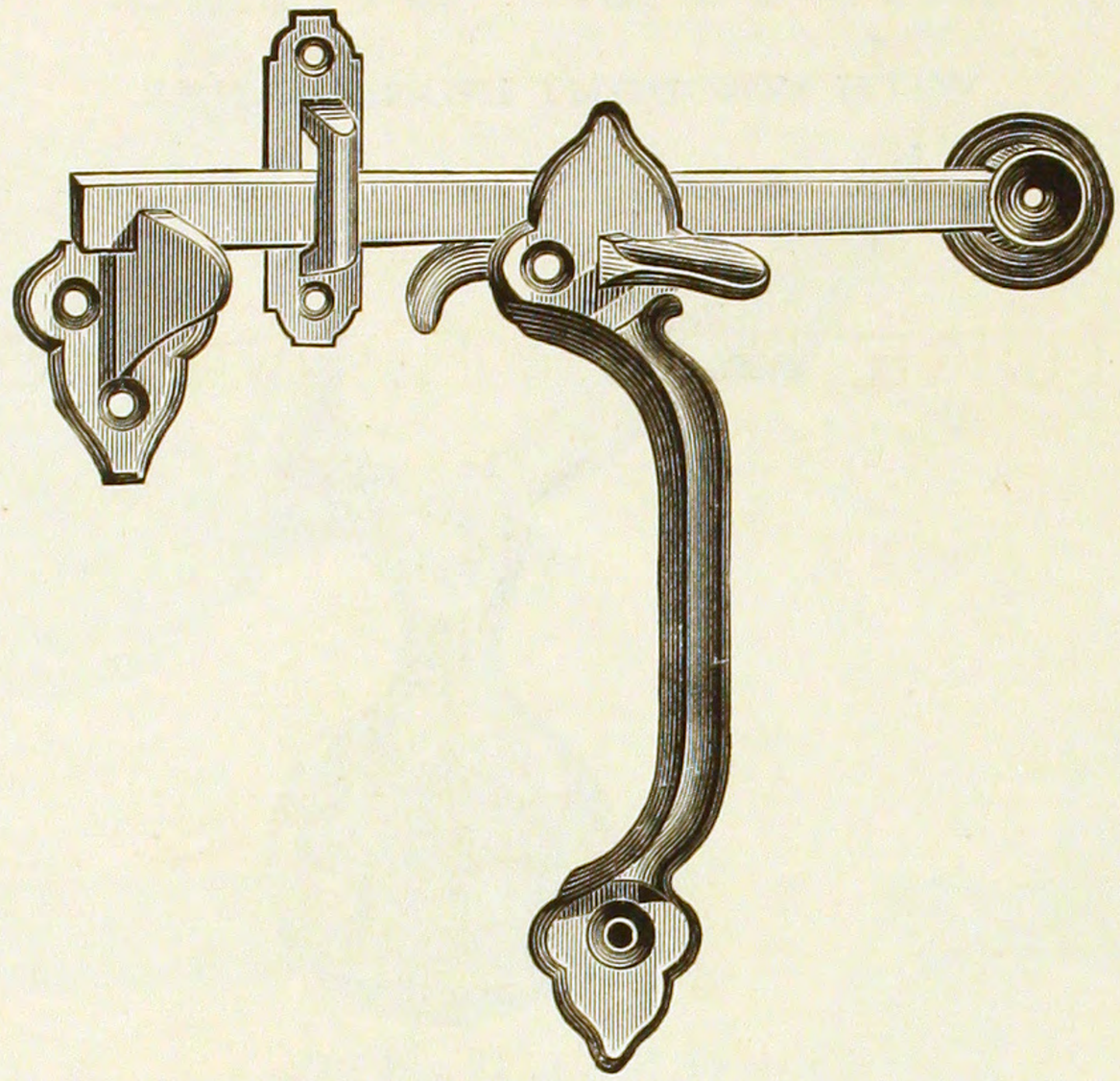
STORE DOOR LATCHES.



No. 2, Japanned, ... $3 00 per dozen.

½ dozen in a box.

BARN DOOR LATCHES.

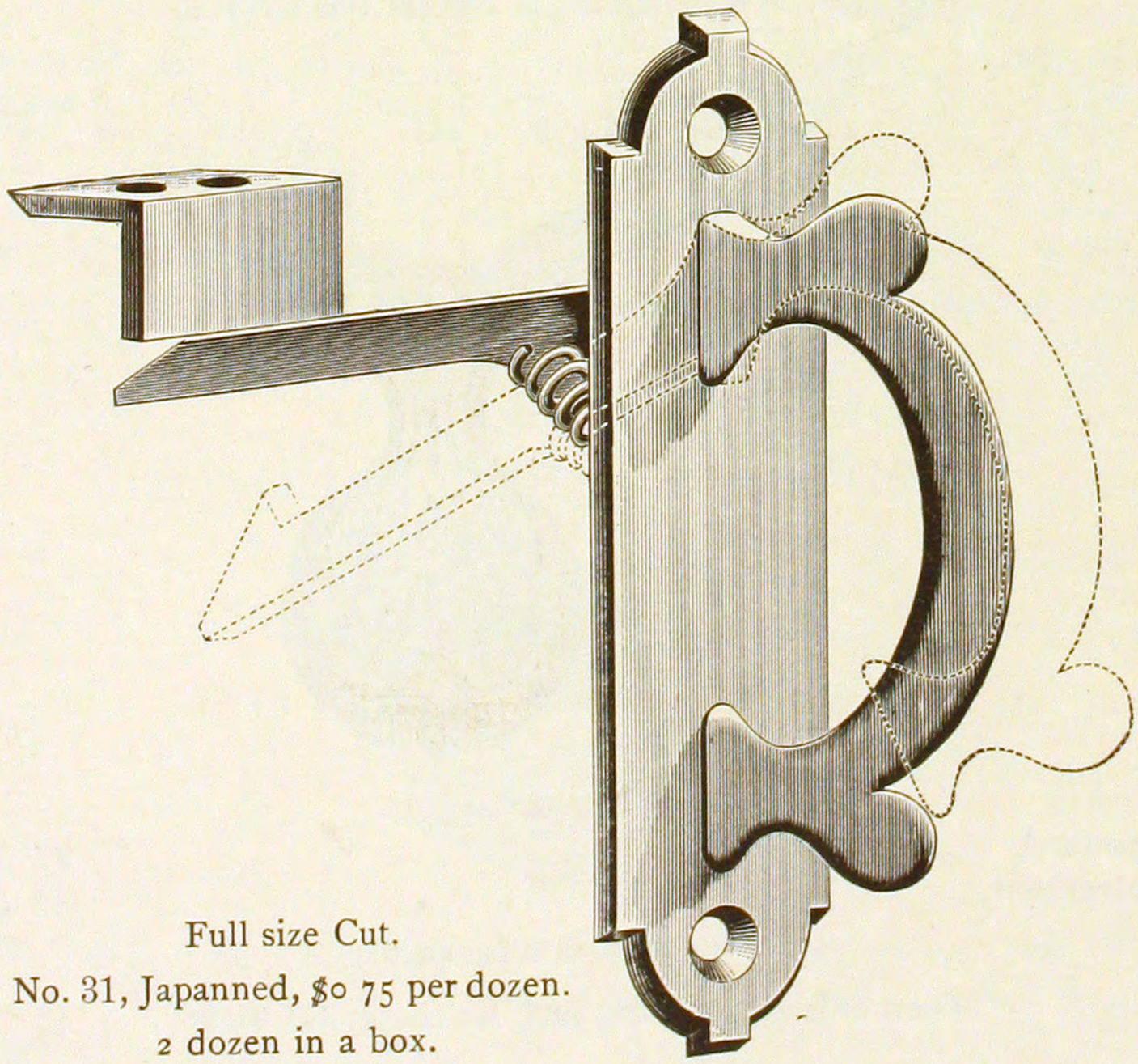


Nos. 31 and 41.

No. 31, Japanned,	$2 63 per dozen.
" 41, Galvanized,	4 00 "
" 42, Japanned, without handle and thumb piece,	1 31 "

1 dozen in a box.

LEVER CUPBOARD CATCHES.



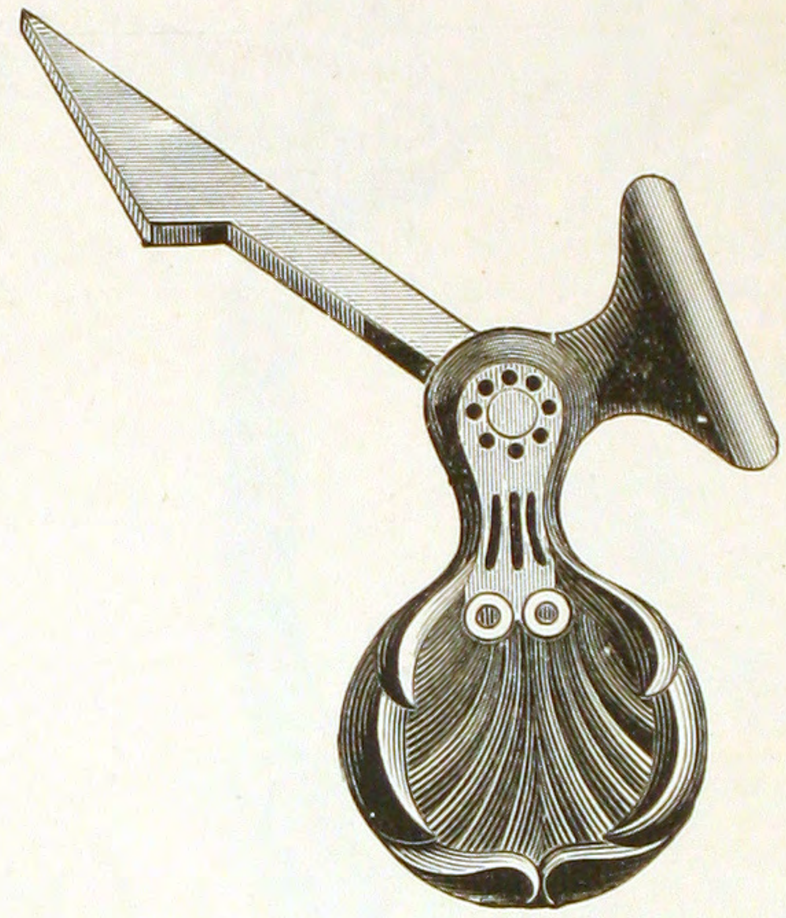
Full size Cut.

No. 31, Japanned, $0 75 per dozen.

2 dozen in a box.

SHUTTER STAYS.

WITH WROUGHT IRON SHANKS.

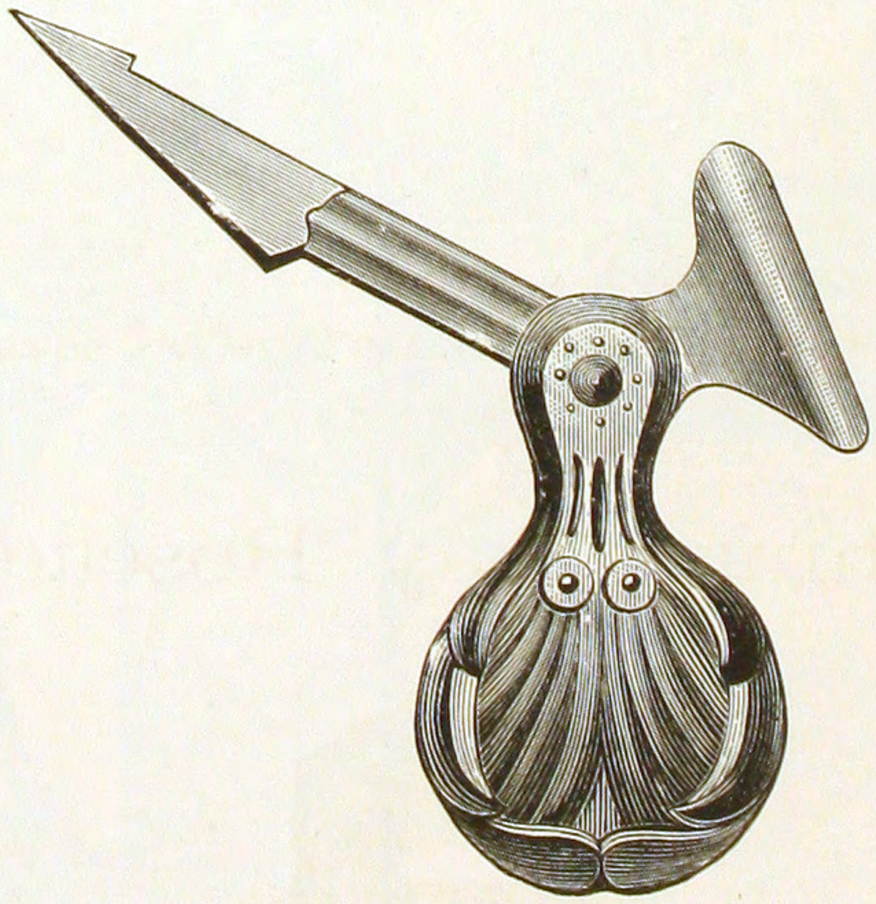


Style of Nos. 3, 13 and 103.

No.	3, Japanned,	$7 50 per gross.
"	103, "	5 75 "
"	13, Galvanized,	13 50 "

1-12 gross in a package.

WITH MALLEABLE IRON SHANKS.



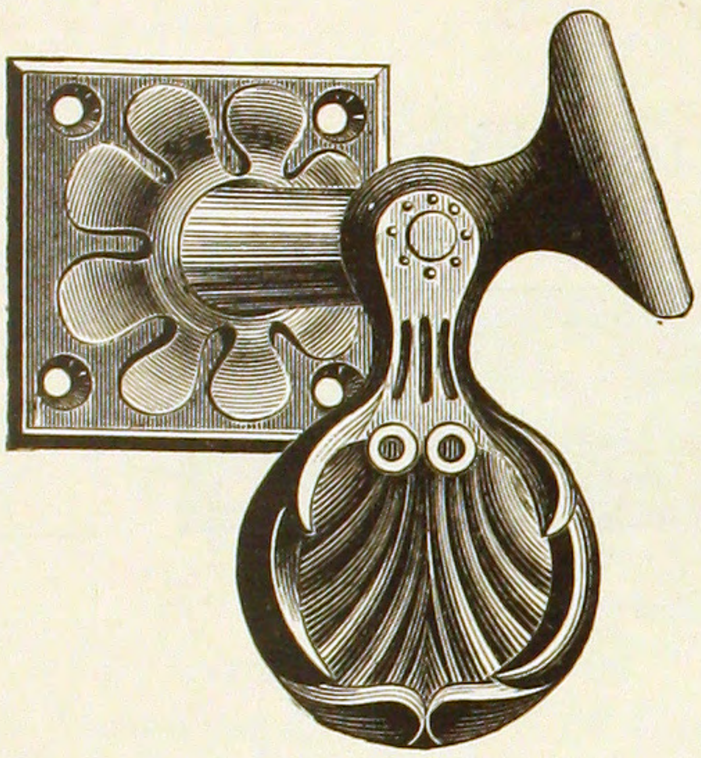
Style of Nos. 23 and 33.

No.	23, Japanned,	$7 50 per gross.
"	33, Galvanized,	13 50 "

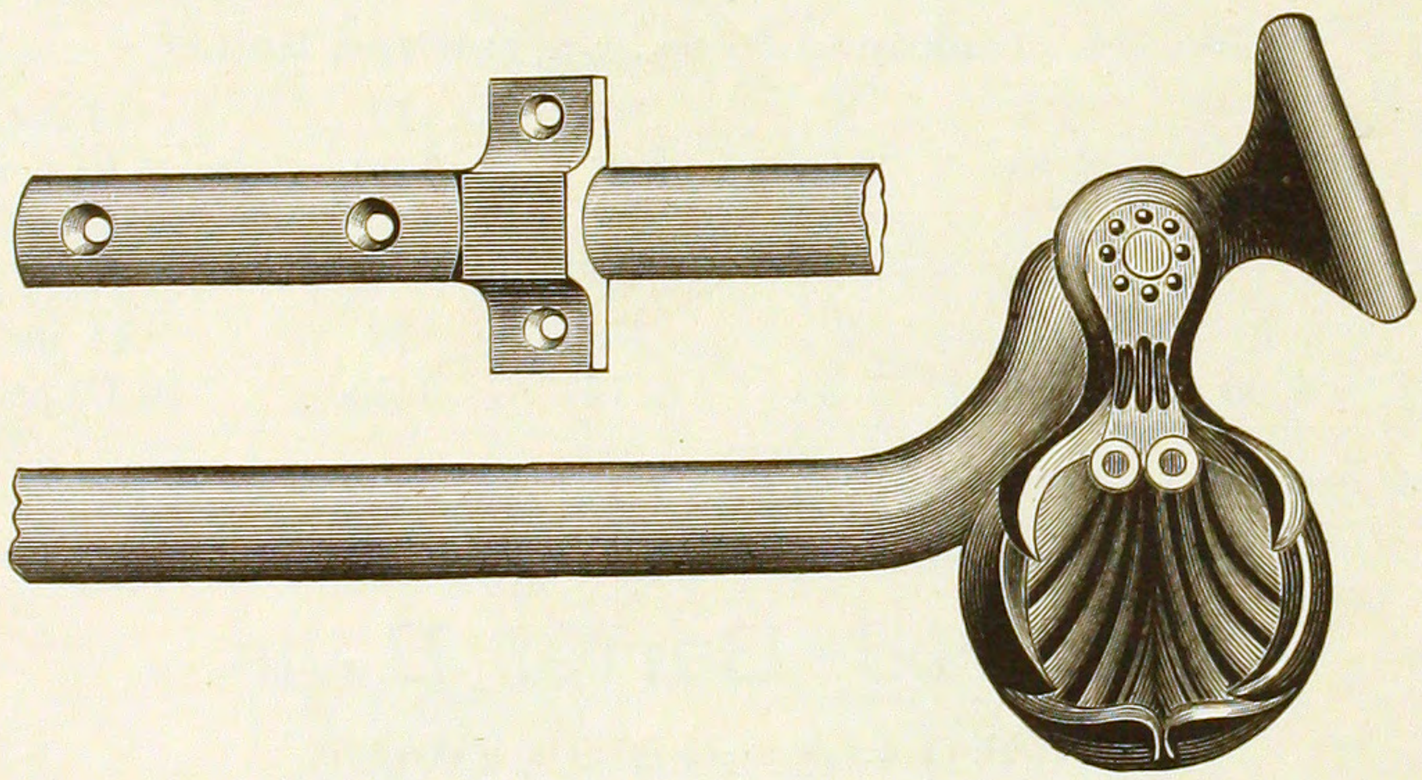
1-12 gross in a package.

When ordered in barrel lots, no charge for barrel.

SHUTTER STAYS.



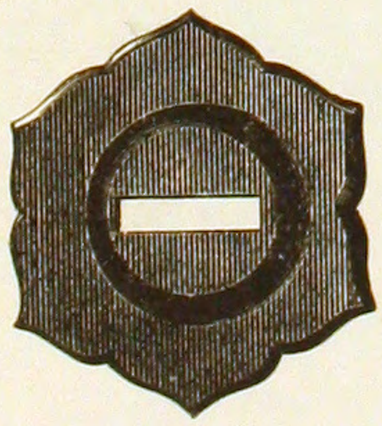
No. 104,	Japanned,	2¼	inch, . .	$6 65	per gross.
" 4,	"	2¼	" . .	8 50	"
" 14,	"	2½	" . .	10 00	"
" 24,	"	3	" . .	10 50	"
" 34,	"	3½	" . .	11 00	"
" 204,	Galvan'd,	2¼	" . .	16 00	"
" 44,	"	2¼	" . .	16 50	"
" 54,	"	2½	" . .	17 25	"
" 64,	"	3	" . .	18 00	"
" 74,	"	3½	" . .	18 75	"



No. 1-0,	Galvanized, half oval shank, ...	$27 00	per gross.
" 2-0,	Japanned, " " "	16 50	"
" 3-0,	" flat, 5/8x3/16	16 50	"
" 4-0,	" " 5/8x3/8, ...	28 00	"
" 5-0,	Galvanized, " 5/8x3/8, ...	48 00	"
" 6-0,	Japanned, half round, 5/8 inch, extra heavy, . . .	48 00	"

1-12 gross in a package. When ordered in barrel lots, no charge for barrel.

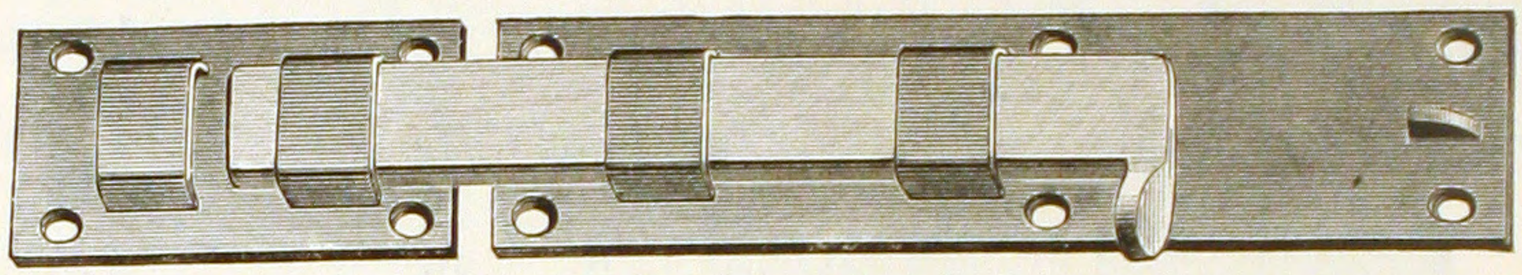
Shutter Stay Rosettes.



Japanned, . . $1 75 per gross. | Galvanized, . . $2 75 per gross.

½ gross in a box.

Wrought Iron Shutter Bolts.



No. 20. Japanned Plate, Polished Bolt.

6	7	8	9	10	12	14 inch.
$2 75	3 00	3 38	3 75	4 25	5 50	7 25 per dozen.

No. 24. Japanned Plate, Galvanized Bolt.

6	7	8	9	10	12	14 inch.
$2 75	3 00	3 38	3 75	4 25	5 50	7 25 per dozen.

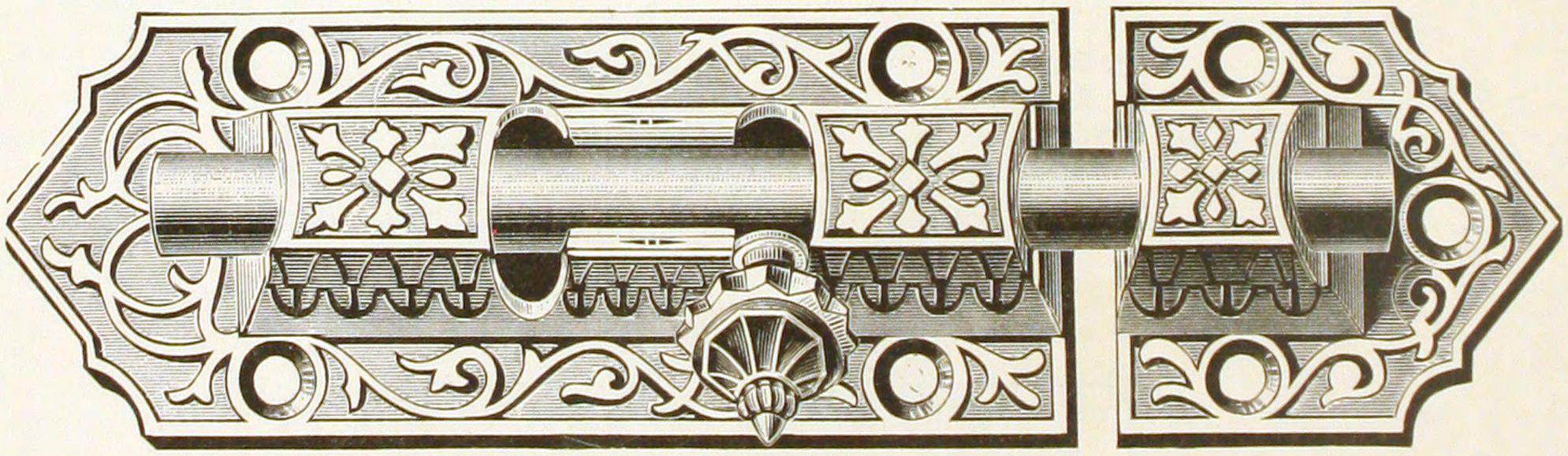
No. 25. All Galvanized.

6	7	8	9	10	12	14 inch.
$3 50	4 00	4 50	5 00	5 75	6 50	10 00 per dozen.

6, 7, 8, 9 and 10 inch, 1 dozen in a box. 12 inch and larger, ½ dozen.

Bronzed Barrel Bolts.

WITH BRONZED SCREWS.

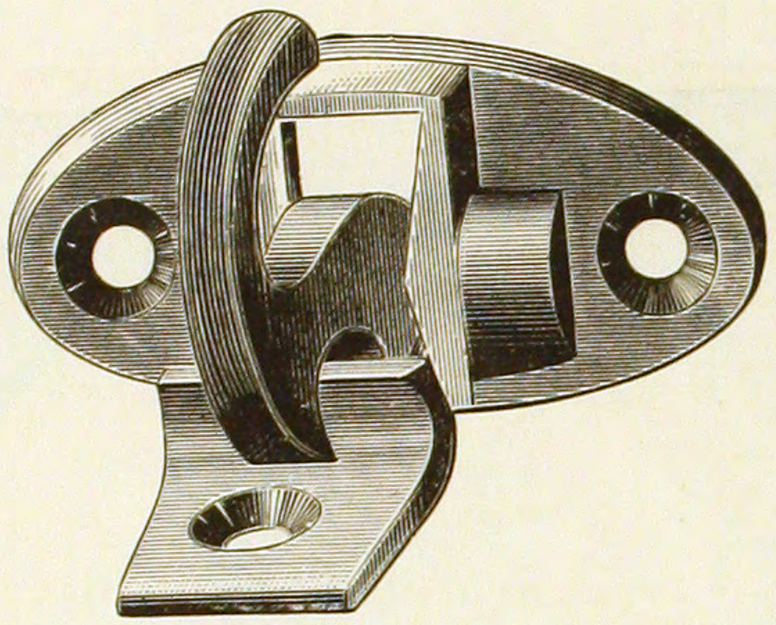


Style of Nos. 60, 65 and 165.

	3	4	5	6 inch.
No. 60, Bronzed,	$2 20	2 60	3 10	3 75 per dozen.
" 65, Polished and Bronzed,	2 60	3 00	3 50	4 25 "
" 165, Bronze Metal,	6 00	6 50	7 00	8 00 "

1 dozen in a box.

Inside Shutter Fastening

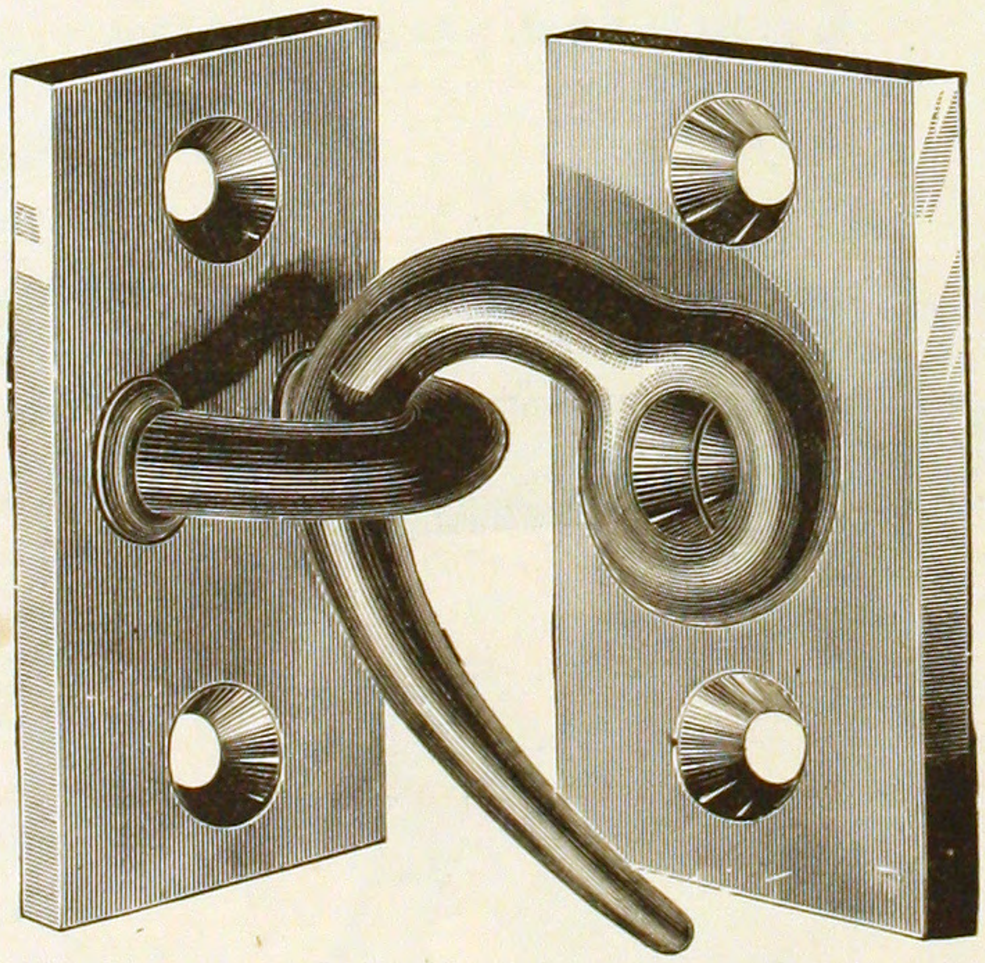


Nos. 2 and 12.

No. 2, Japanned,	$4 75 per gross
" 12, Galvanized,	6 00 "

½ gross in a box.

SHUTTER HOOKS.

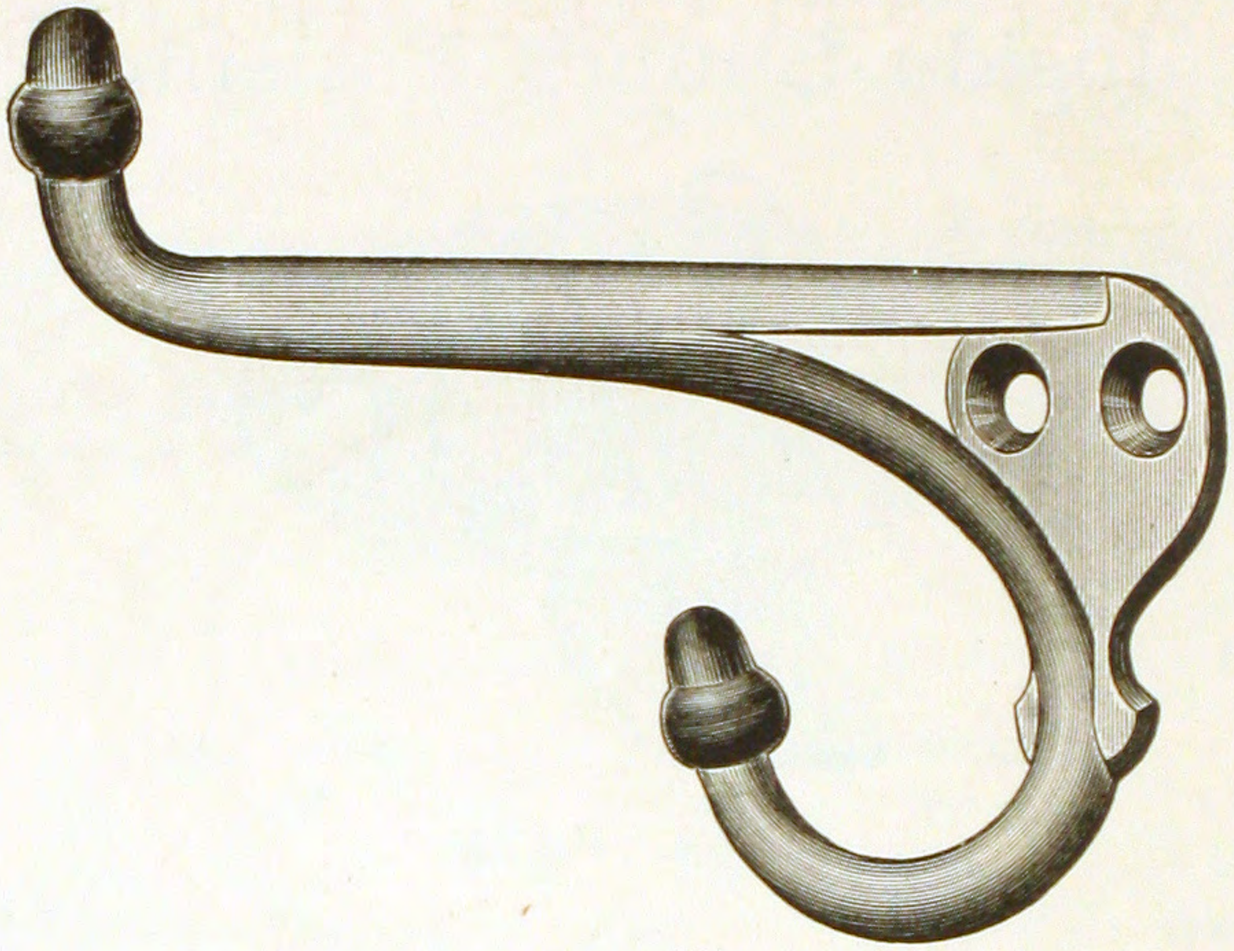


Nos. 1 and 11.

No. 1, Japanned,	$9 00 per gross.
" 11, Galvanized,	12 50 "

1-6 gross in a box.

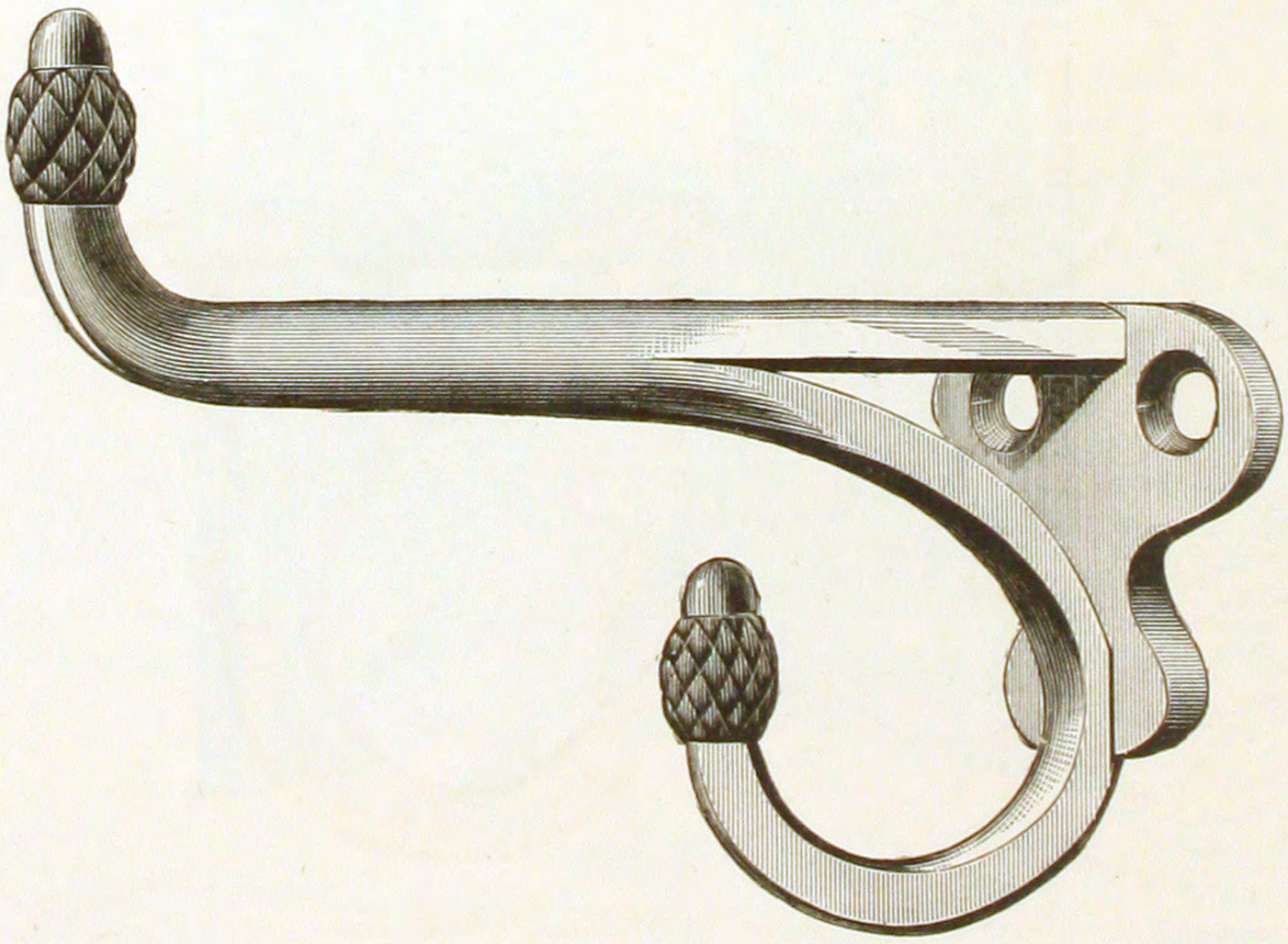
HAT and COAT HOOKS.



Full size Cut of Nos. 260 and 262, and Style of Nos. 75 and 80.

No. 75, Japanned,	$1 65	per gross
" 80, Coppered,	1 65	"
" 260, Japanned,	1 75	"
" 262, Coppered,	1 75	"

½ gross in a box. 12 gross in a case.

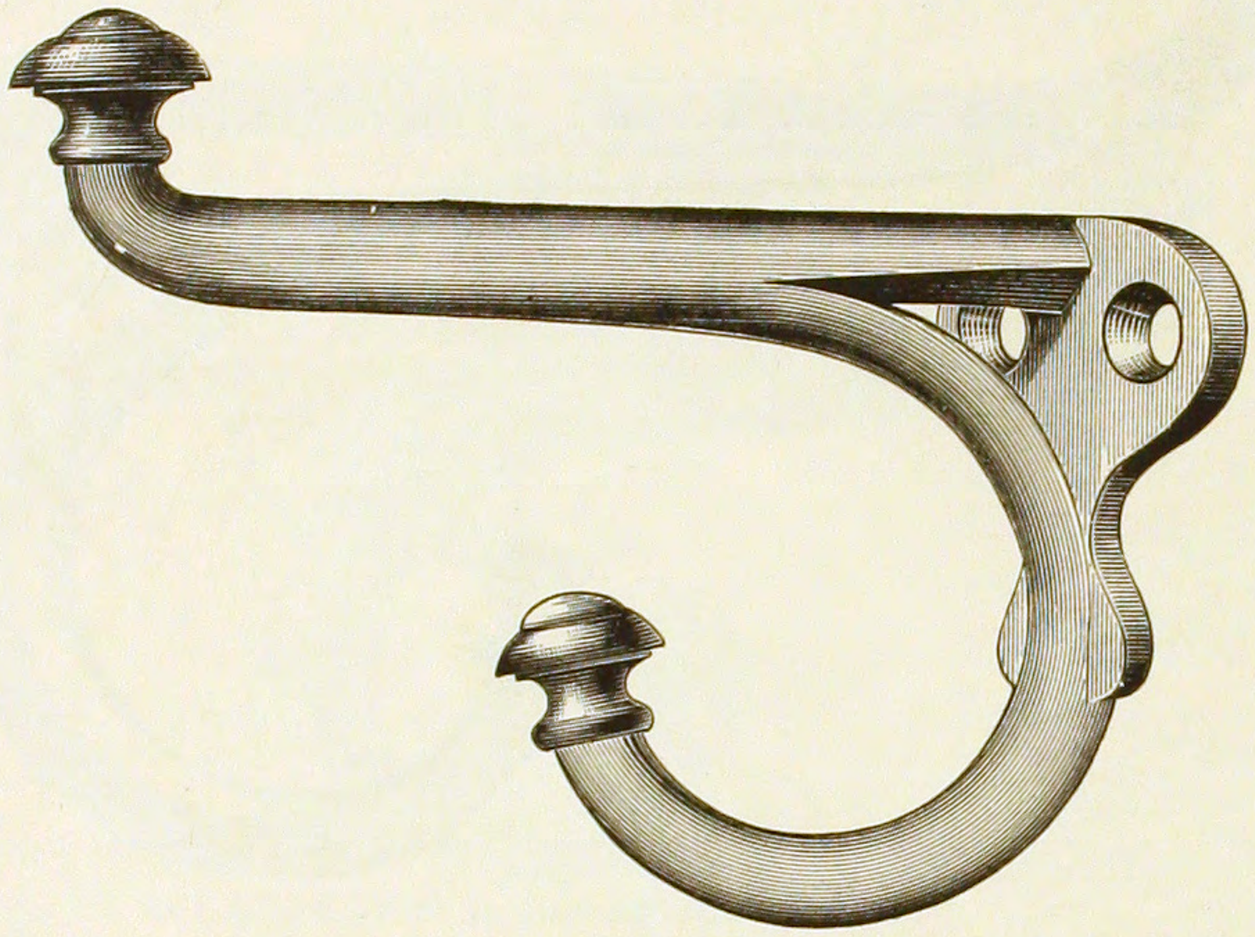


Full size Cut of Nos. 4 and 14.

No. 4, Japanned,	$2 25	per gross.
" 14, Coppered,	2 25	"

½ gross in a box. 12 gross in a case.

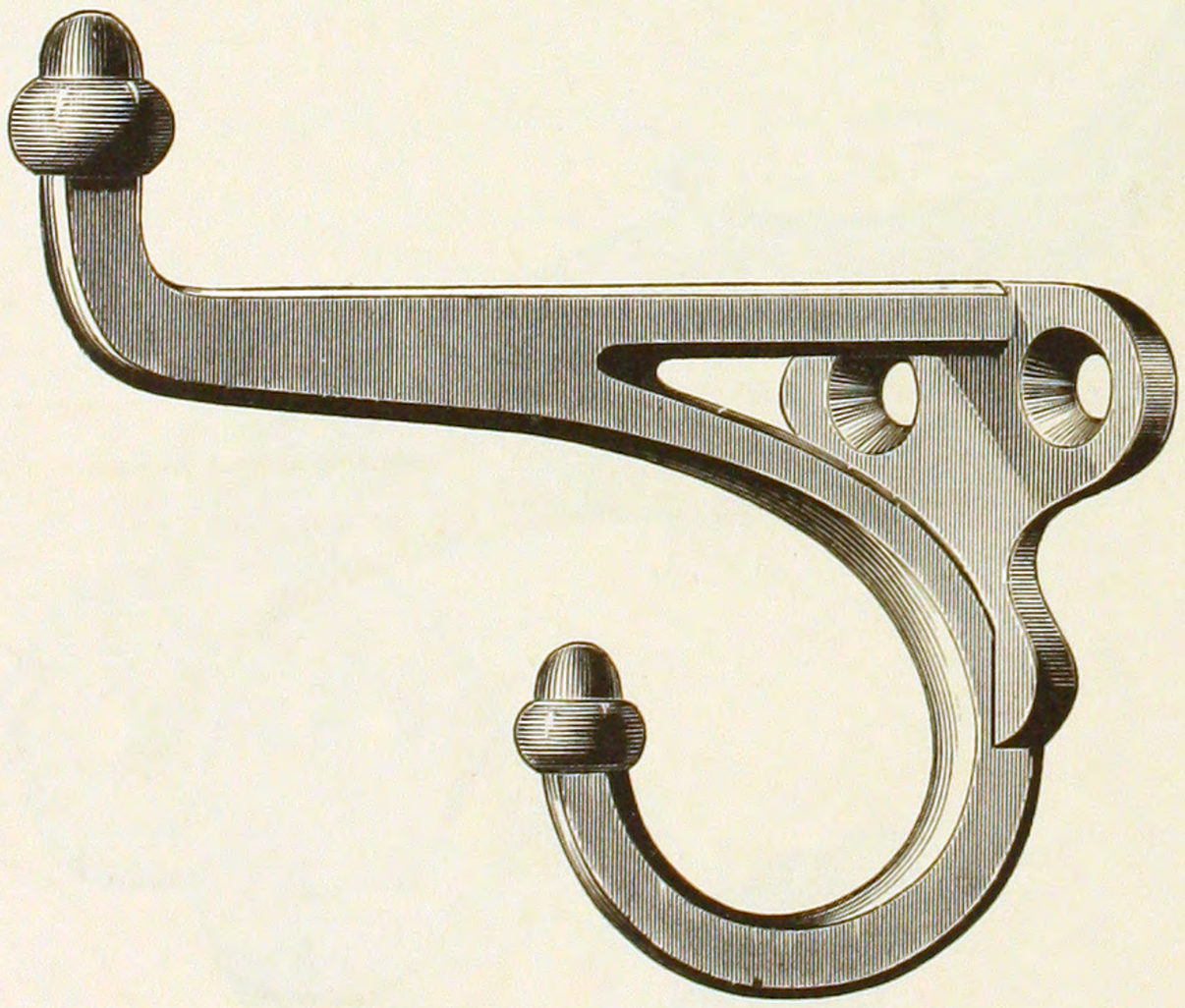
HAT and COAT HOOKS.



Full size Cut Nos. 104 and 114.

No. 104, Japanned, ... $2 00 per gross.
" 114, Coppered, ... 2 00 "

½ gross in a box. 12 gross in a case.

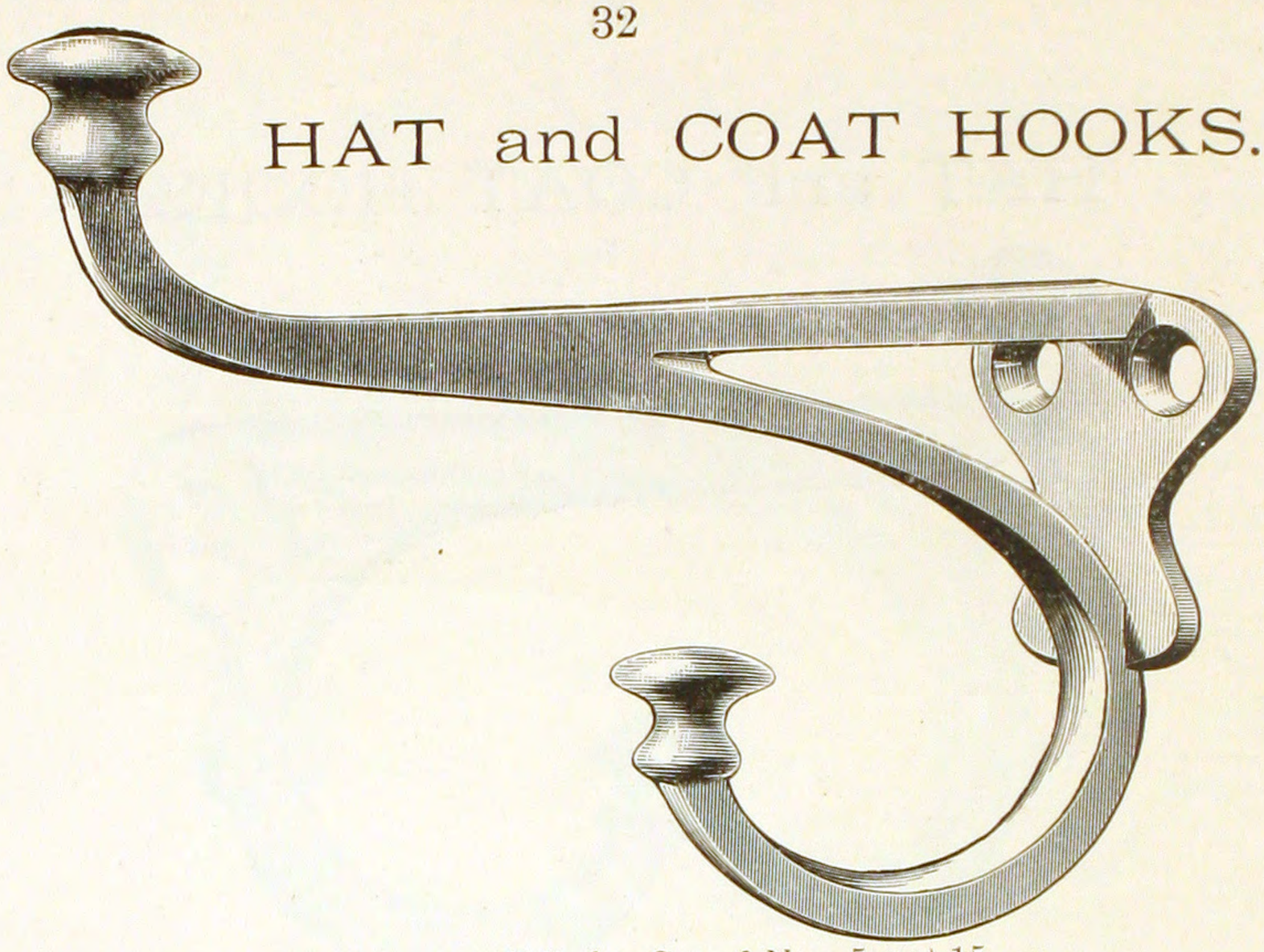


Full size Cut of Nos. 7 and 17.

No. 7, Japanned, ... $2 25 per gross.
" 17, Coppered, ... 2 25 "

½ gross in a box. 12 gross in a case.

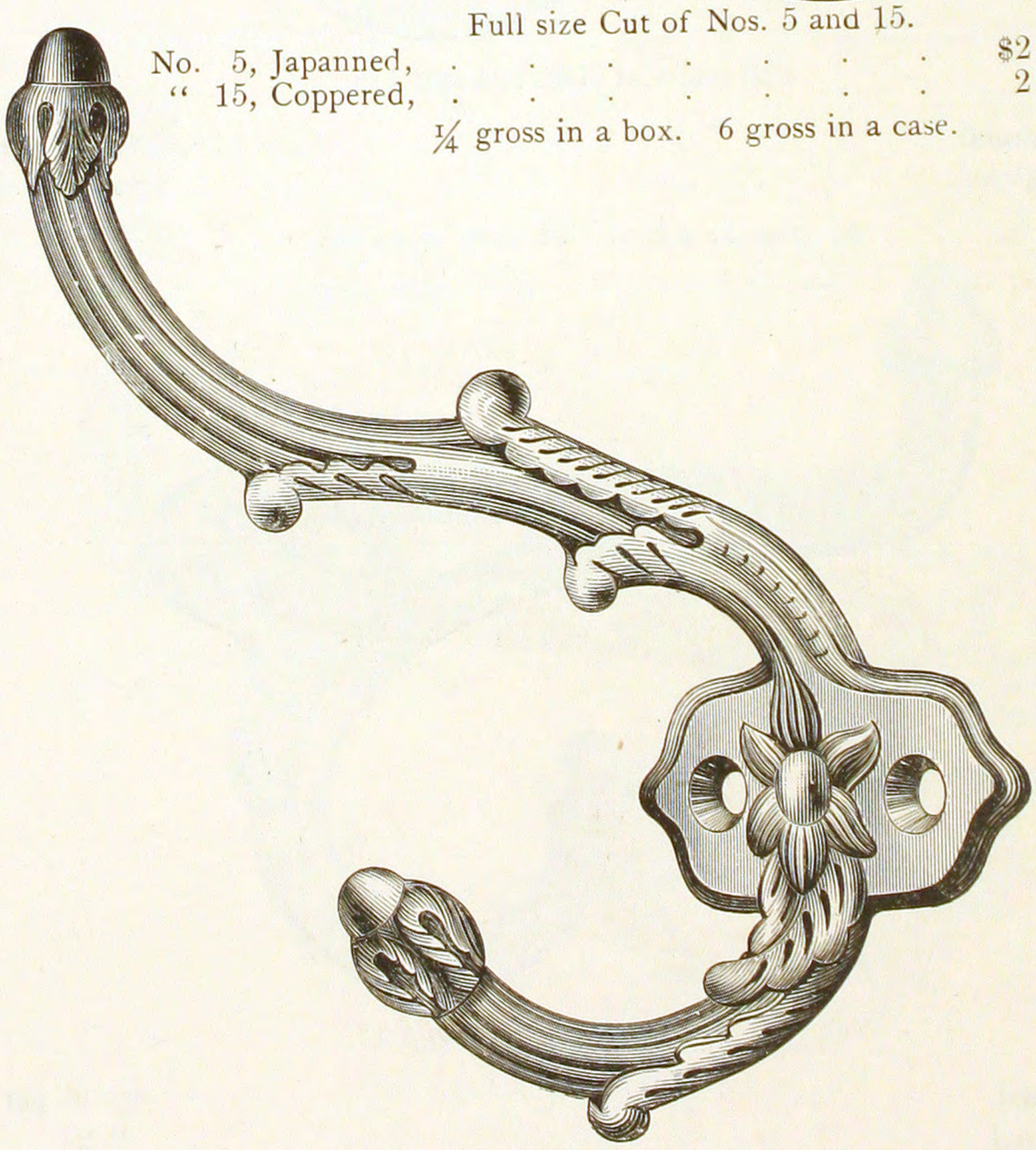
HAT and COAT HOOKS.



Full size Cut of Nos. 5 and 15.

No. 5, Japanned,	. . . . .	$2 50 per gross.
" 15, Coppered,	. . . . .	2 50 "

¼ gross in a box. 6 gross in a case.

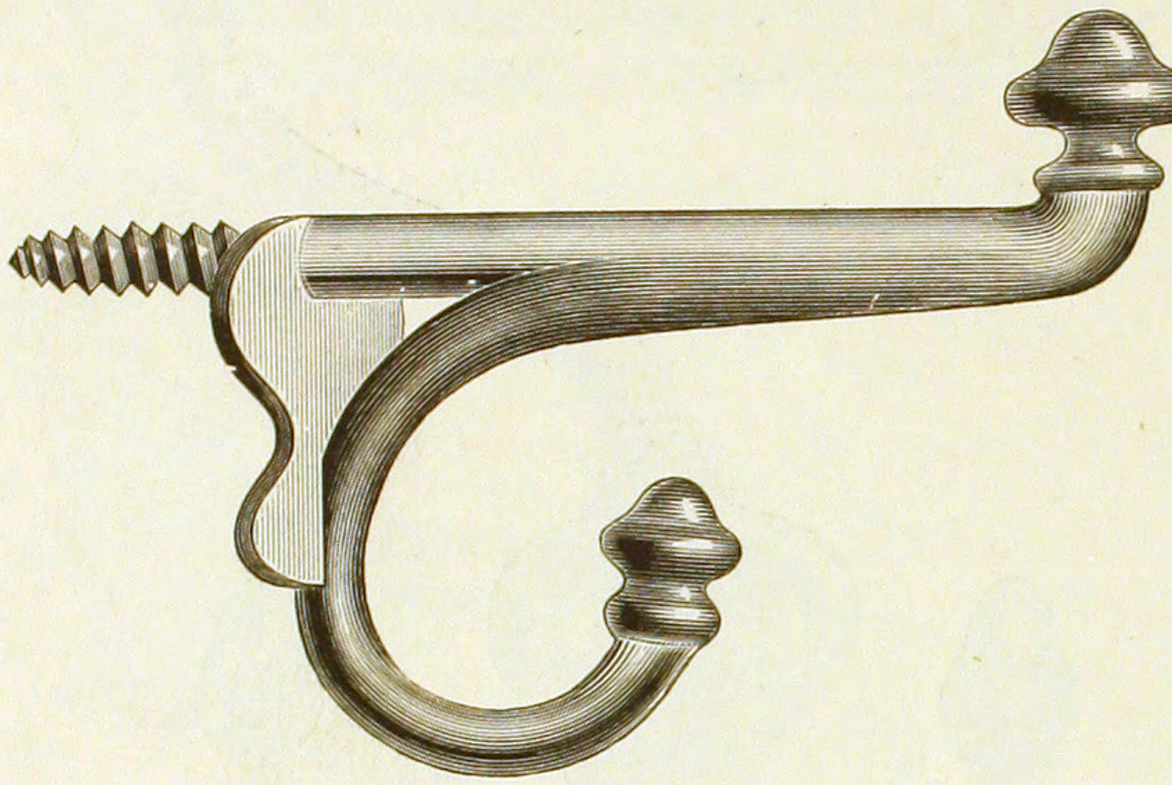


Full size Cut of Nos. 81, 85 and 86

No. 81, Japanned,	. . . . .	$3 12 per gross.
" 85, Coppered,	. . . . .	3 12 "
" 86, Bronze Metal,	. . . . .	48 00 "

¼ gross in a box. 6 gross in a case.

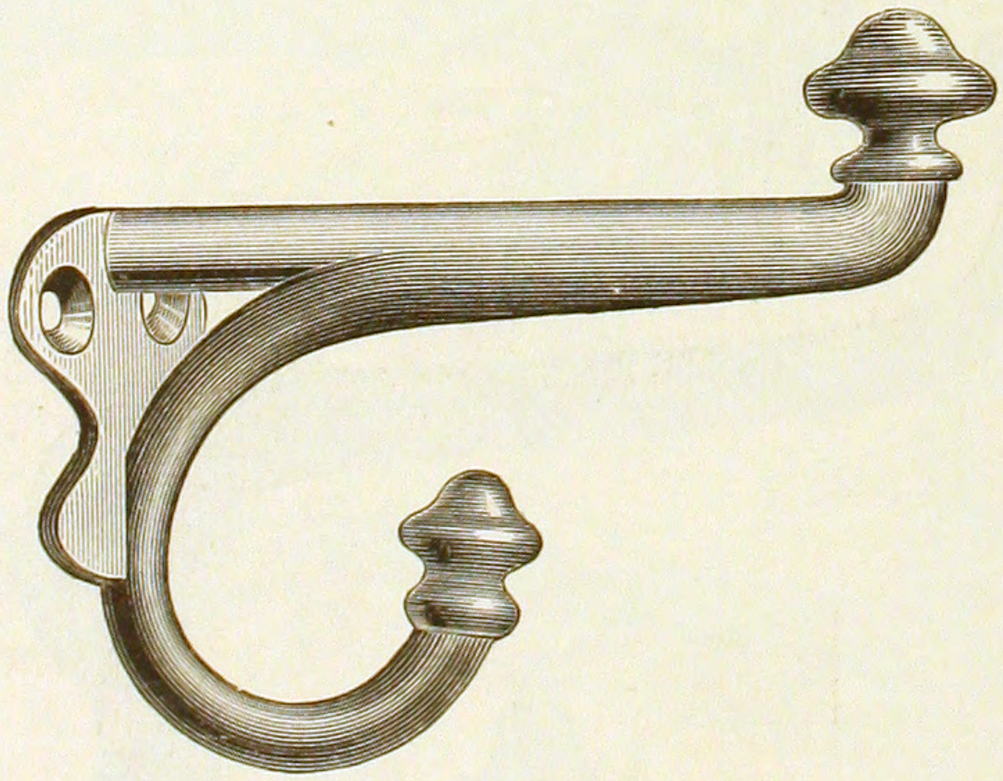
HAT and COAT HOOKS.



Full size Cut of Nos. 240 and 242.

No. 235, Japanned, ...	$1 35 per gross.
" 237, Coppered, ...	1 35 "
" 240, Japanned, ...	1 70 "
" 242, Coppered, ...	1 70 "

½ gross in a box. 12 gross in a case.

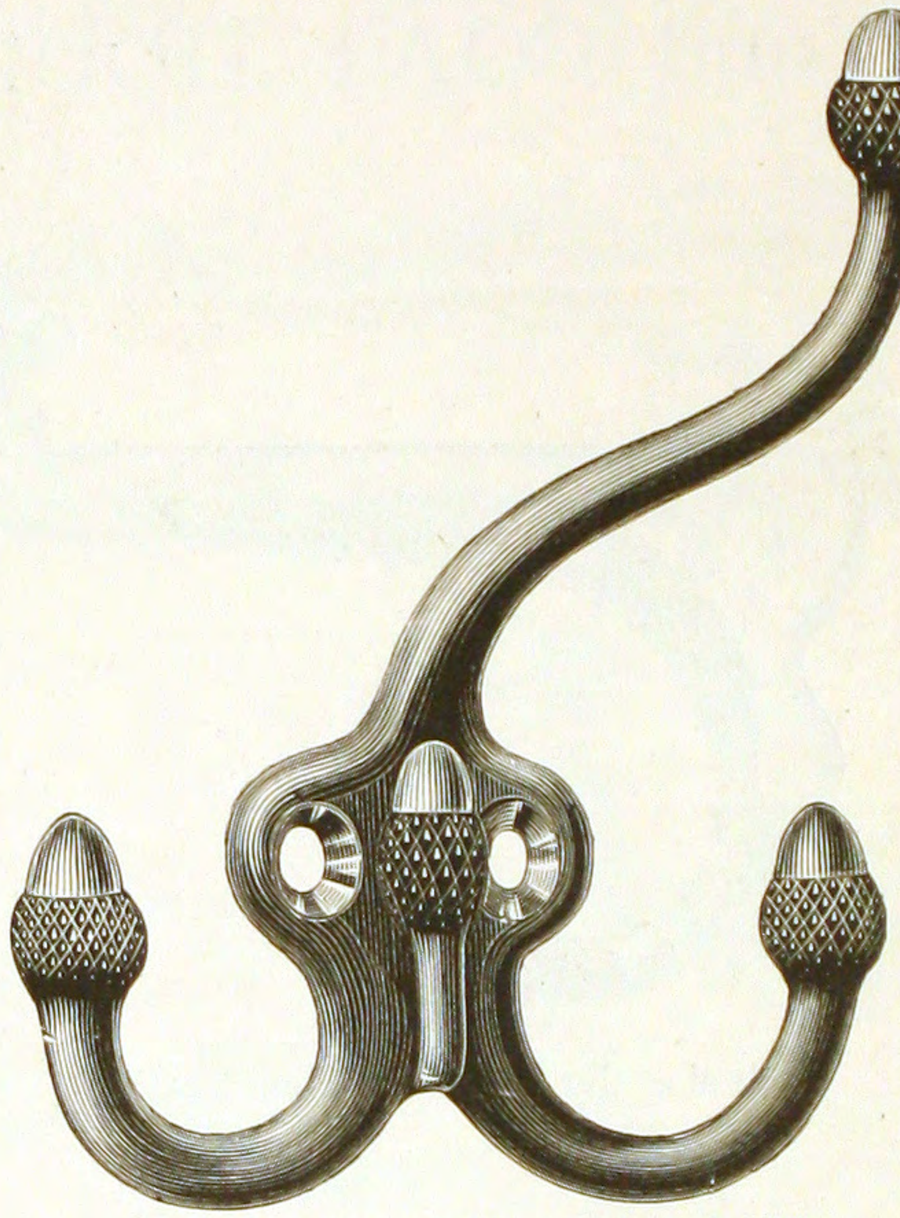


Full size Cut of Nos. 11 and 21.

No. 11, Japanned, ...	$1 80 per gross.
" 21, Coppered, ...	1 80 "

½ gross in a box. 12 gross in a case.

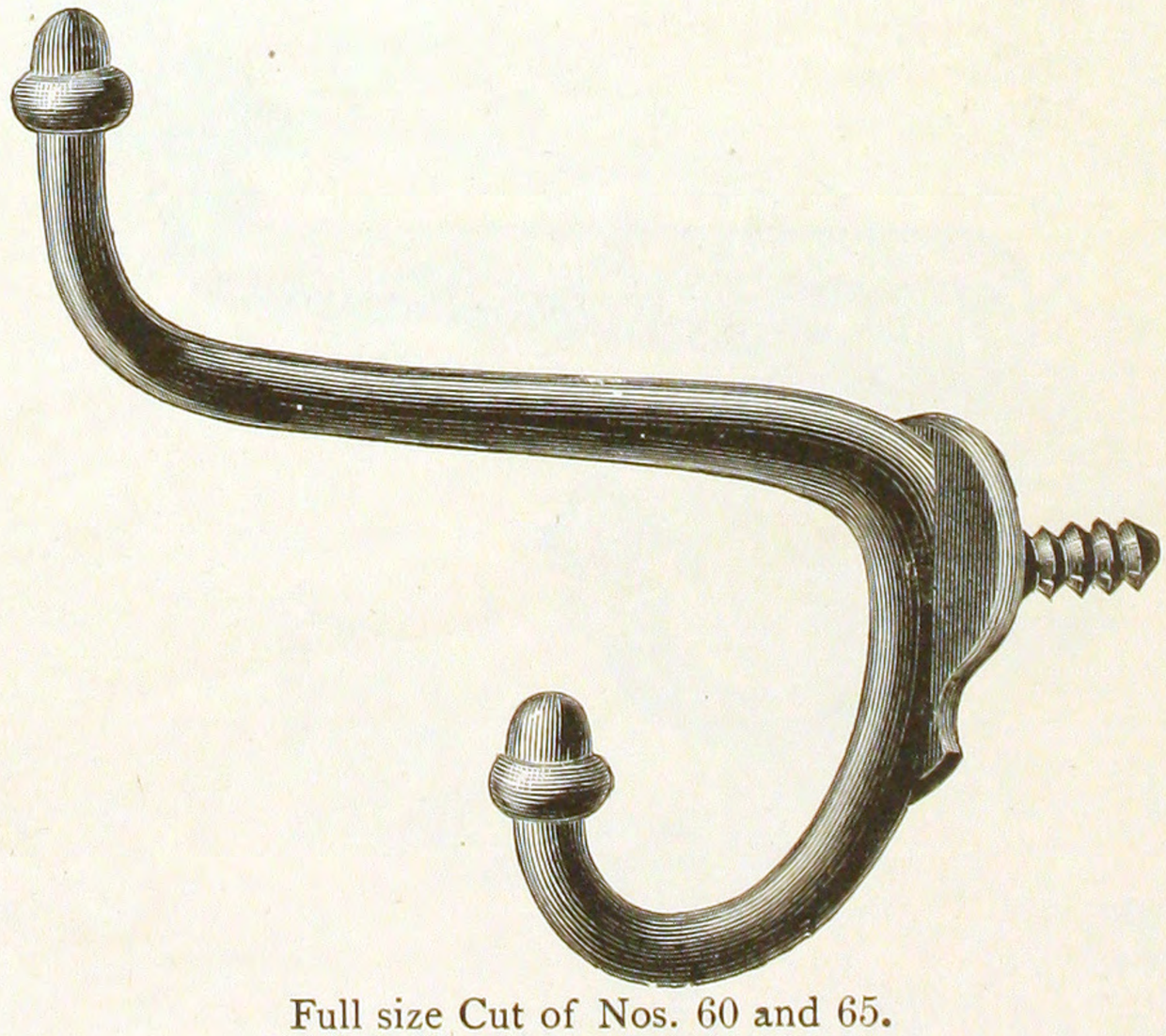
HAT and COAT HOOKS.



Full size Cut of Nos. 280 and 282.

No. 280, Japanned,	$2 80	per gross.
" 282, Coppered,	2 80	"
" 285, Japanned,	3 20	"
" 287, Coppered,	3 20	"

¼ gross in a box. 6 gross in a case.

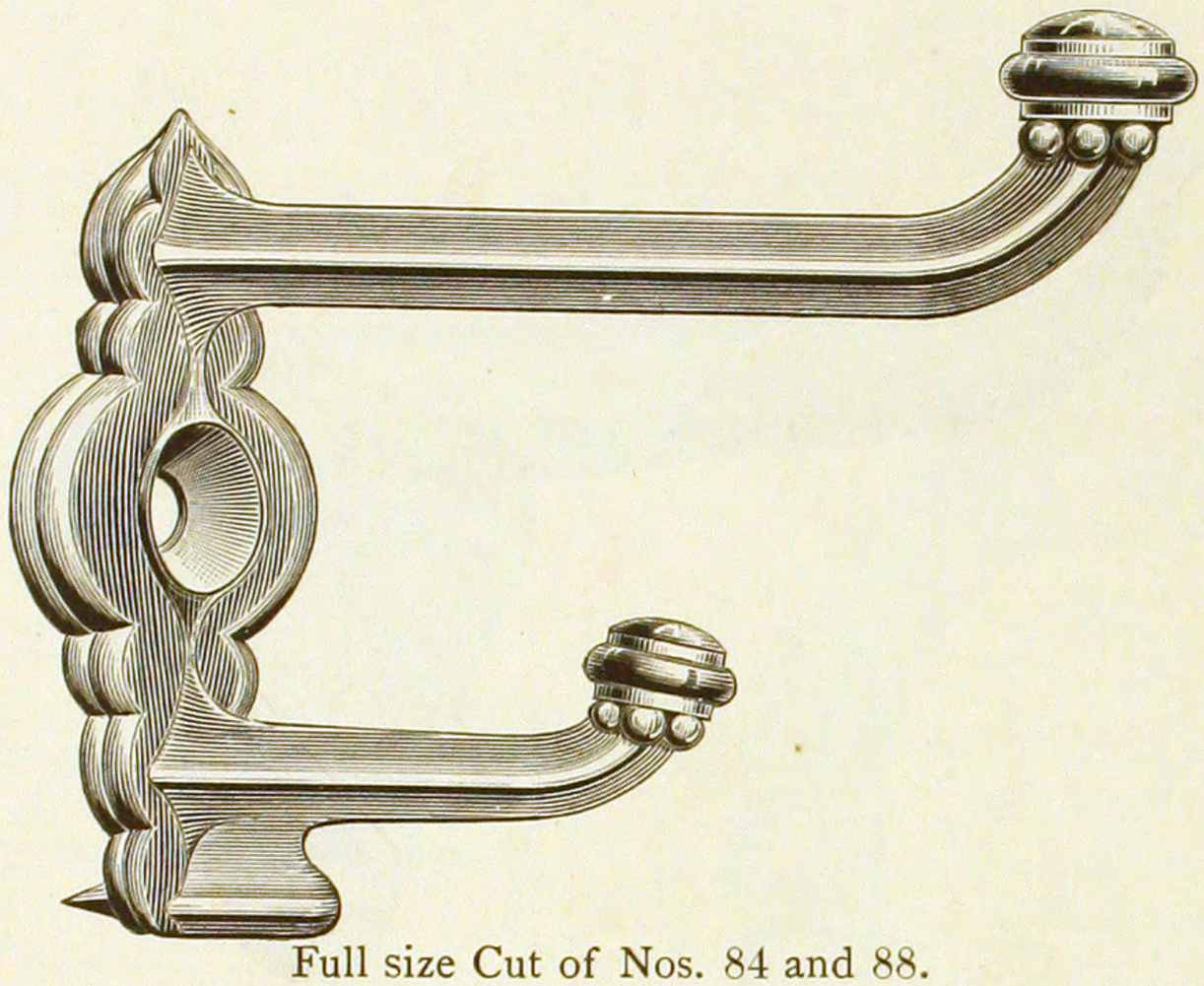


Full size Cut of Nos. 60 and 65.

No. 60, Japanned,	$2 00	per gross.
" 65, Coppered,	2 00	"

½ gross in a box. 12 gross in a case.

HAT and COAT HOOKS.

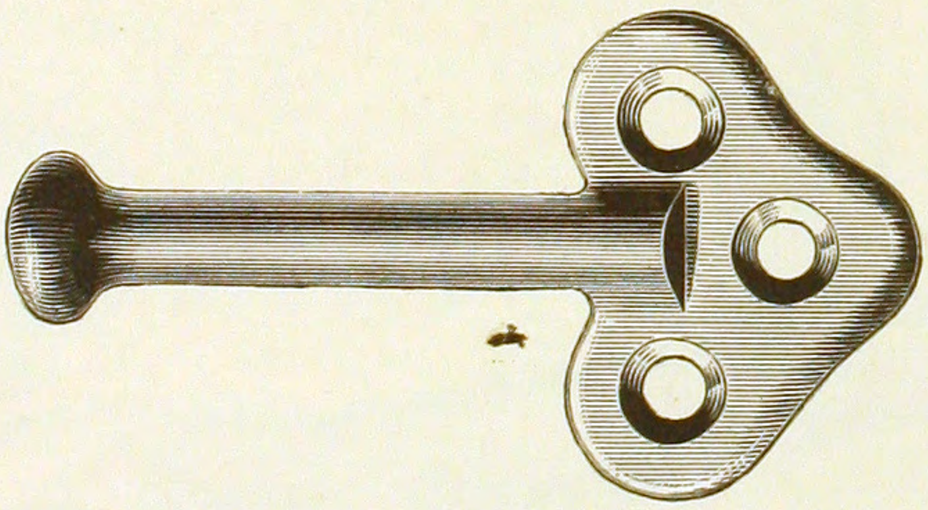


Full size Cut of Nos. 84 and 88.

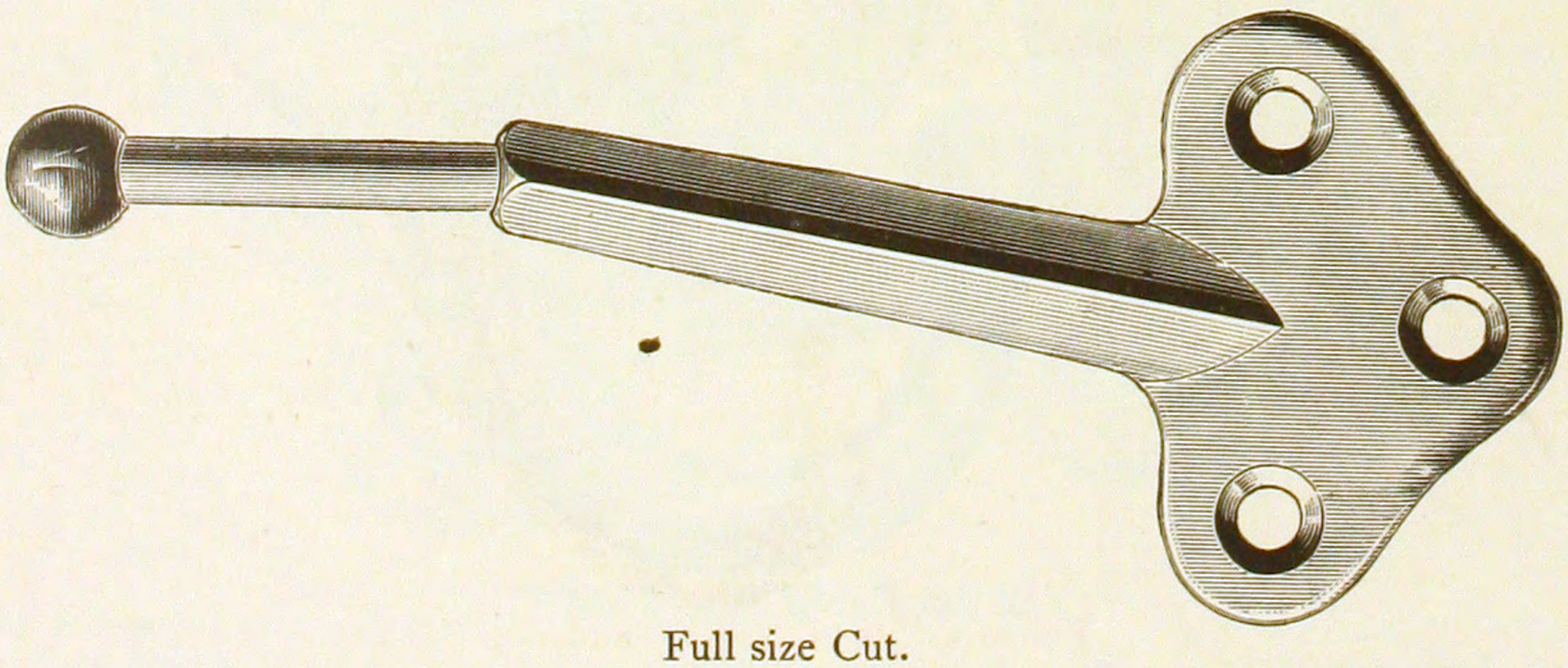
No. 84, Japanned, ... $4 00 per gross.
" 88, Coppered, ... 4 00 "

¼ gross in a box. 6 gross in a case.

GUM SPRING HOOKS.



Full size Cut.

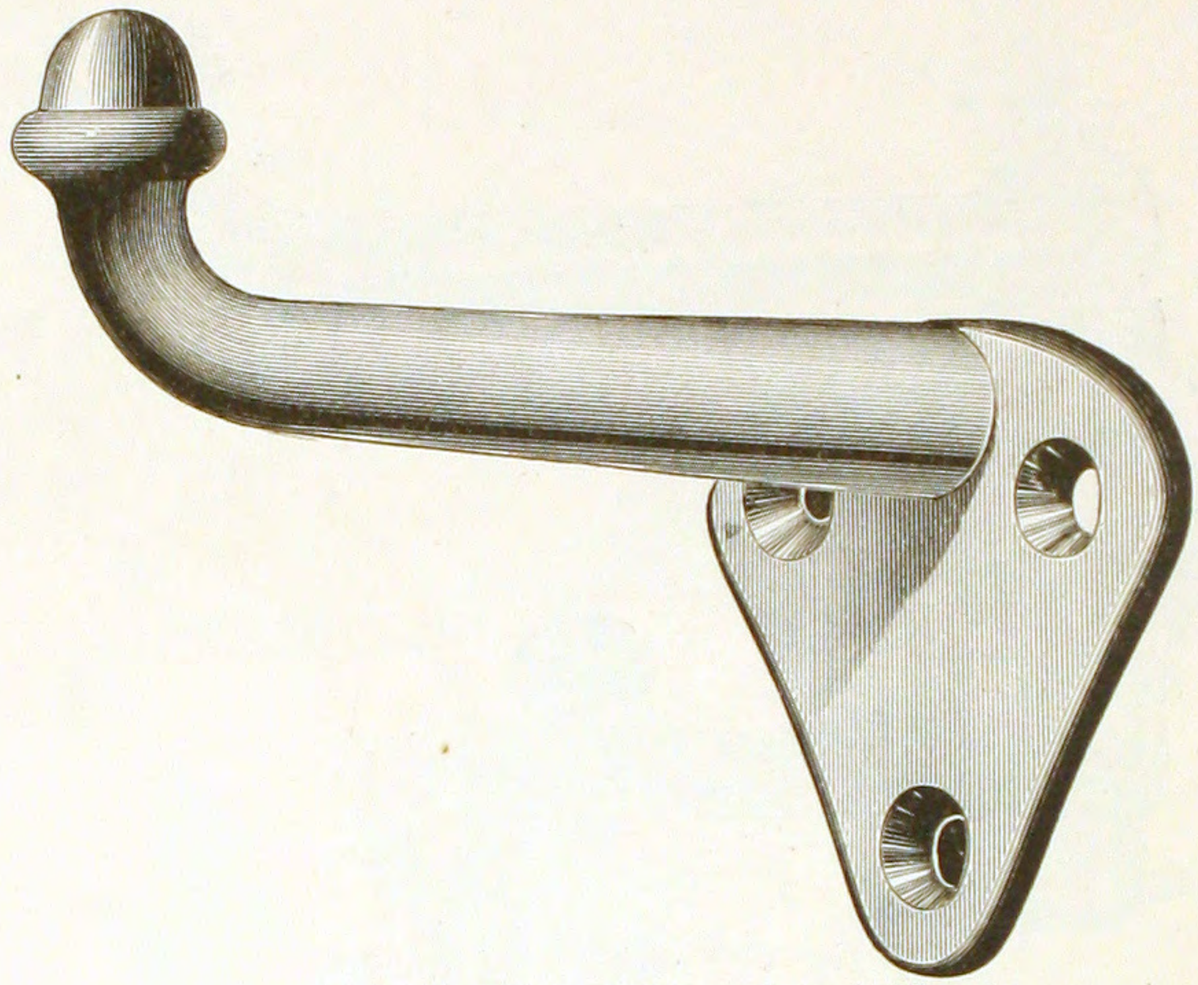


Full size Cut.

No. 1, Japanned, two small to a pair, ... $1 50 per gross pairs.
" 2, " one large and one small to a pair, . . . 4 00 " "

¼ gross in a box.

SCHOOL HOUSE HOOKS.



Full size Cut of Nos. 2 and 12.

No. 2, Japanned, ...	$3 00 per gross.
" 12, Coppered, ...	3 00 "

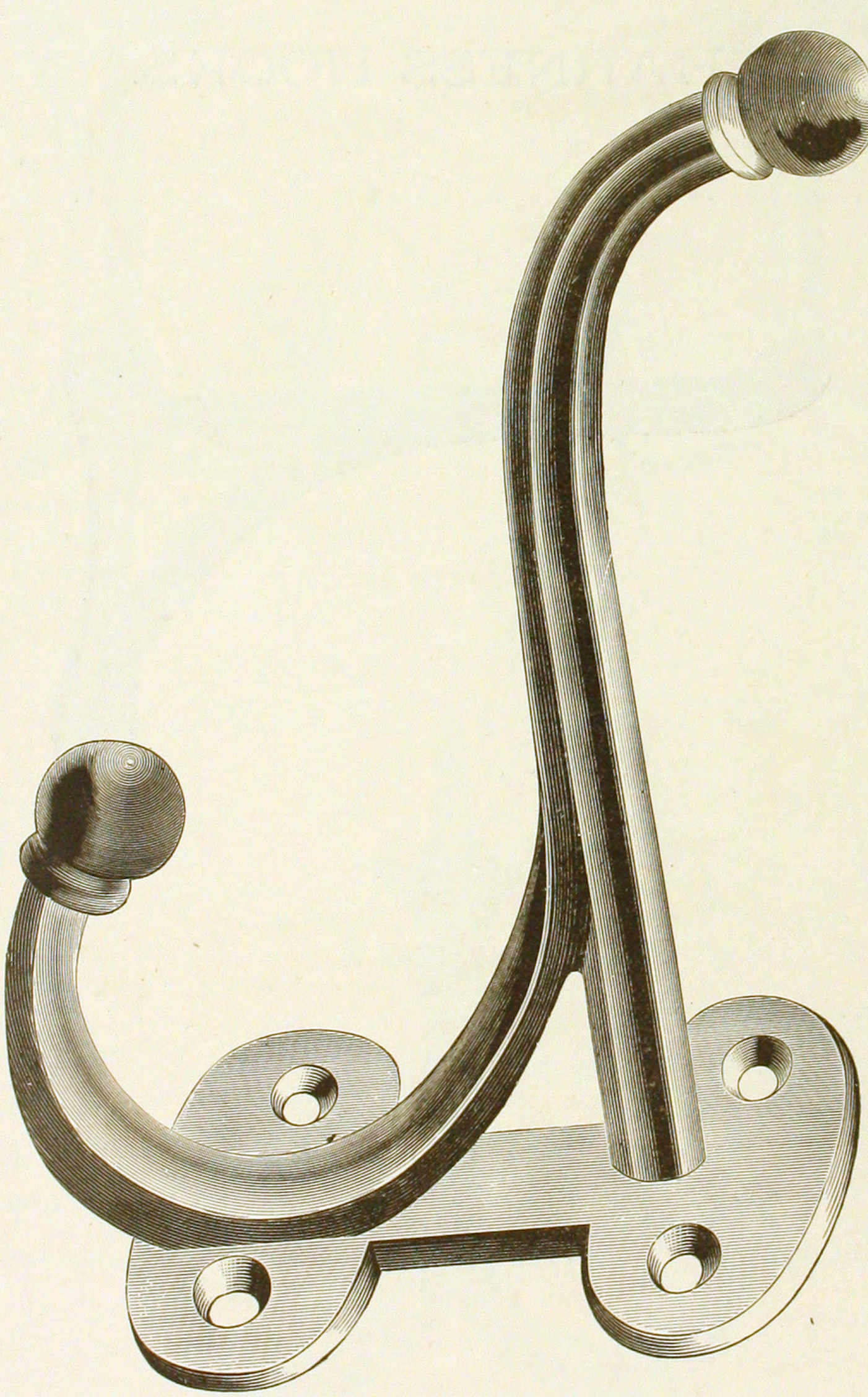
¼ gross in box.

Full size Cut of Nos. 1 and 11.

No. 1, Japanned, ...	$4 25 per gross.
" 11, Coppered, ...	4 25 "

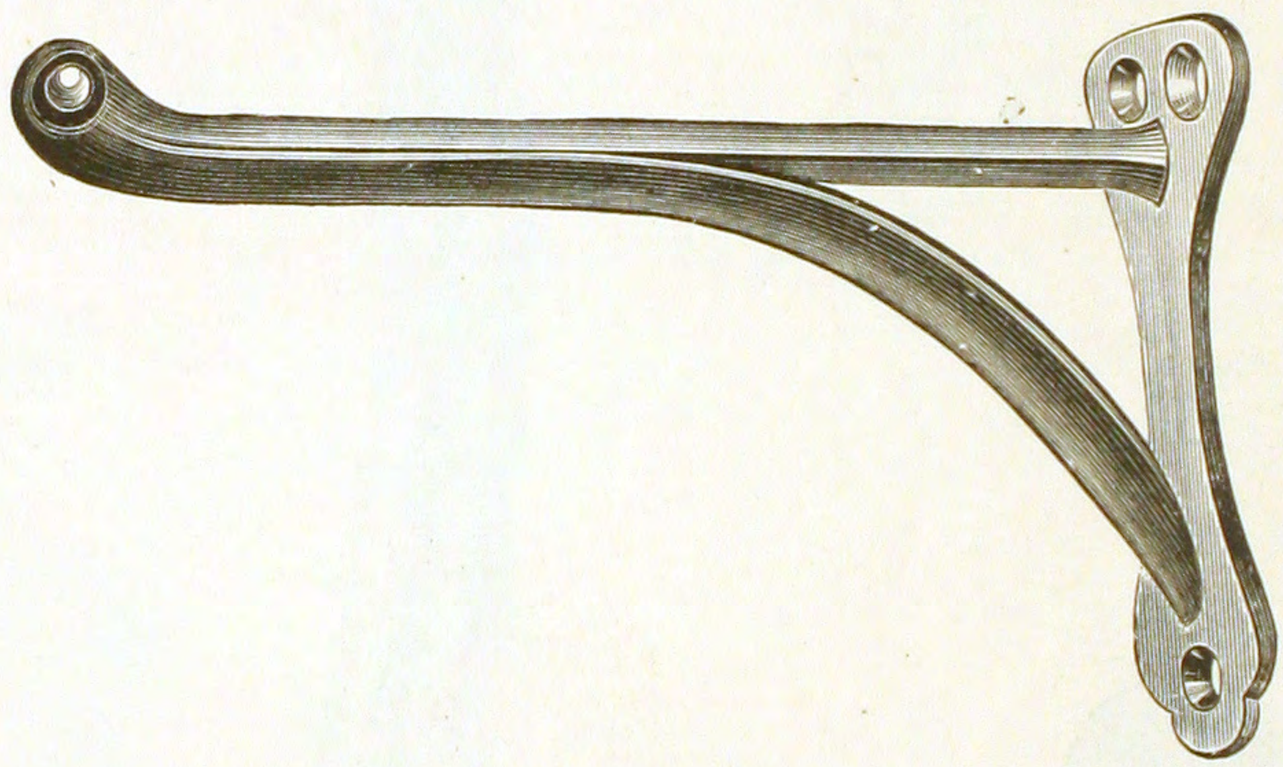
¼ gross in a box.

HARNESS HOOKS.



Style of Nos. 0, 1, 2 and 4.

HARNESS HOOKS.

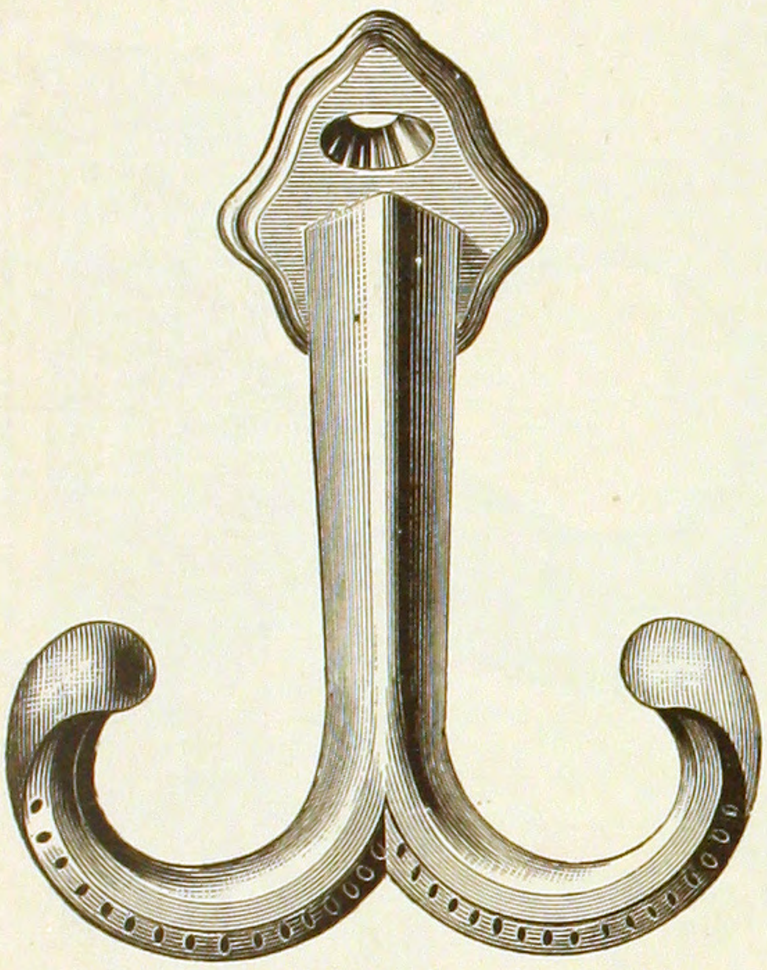


Style of No. 3.

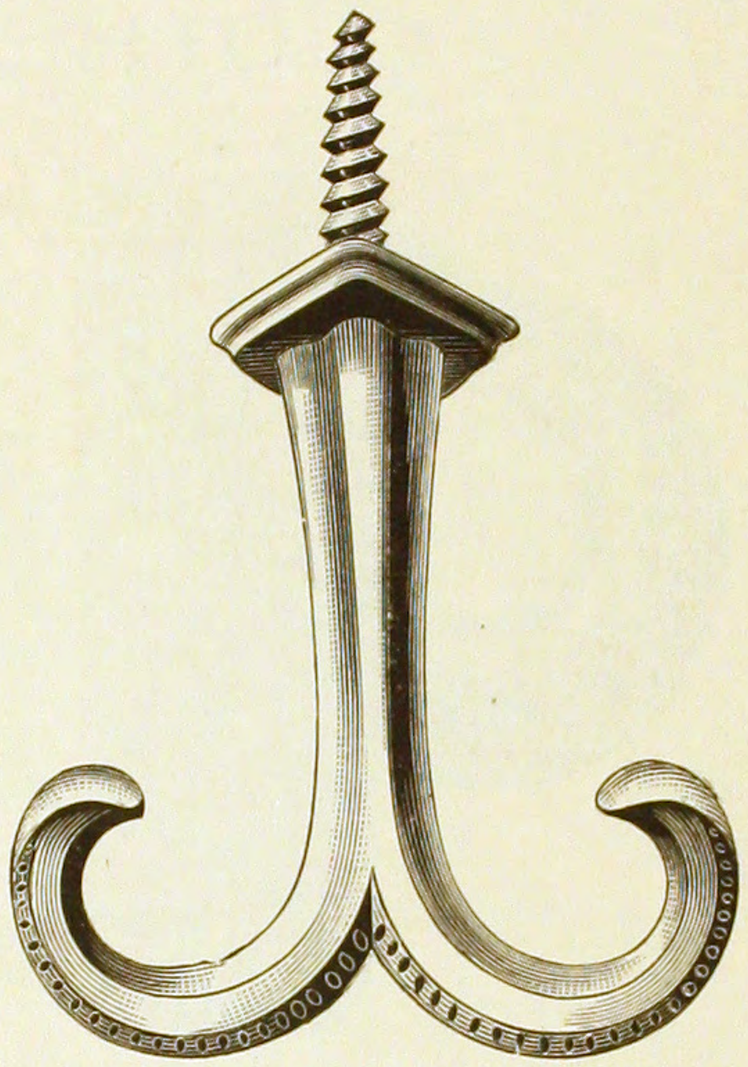
No. 0,	Japanned,	10½ inches,	. . . . .	$4 30 per dozen.
" 1,	"	5½ "	. . . . .	1 00 "
" 2,	"	4 "	. . . . .	65 "
" 3,	"	8 "	. . . . .	1 10 "
" 4,	"	8 "	. . . . .	2 00 "

Half dozen No. o in a package. One dozen Nos. 1, 2, 3, 4, in a box.

CEILING HOOKS.



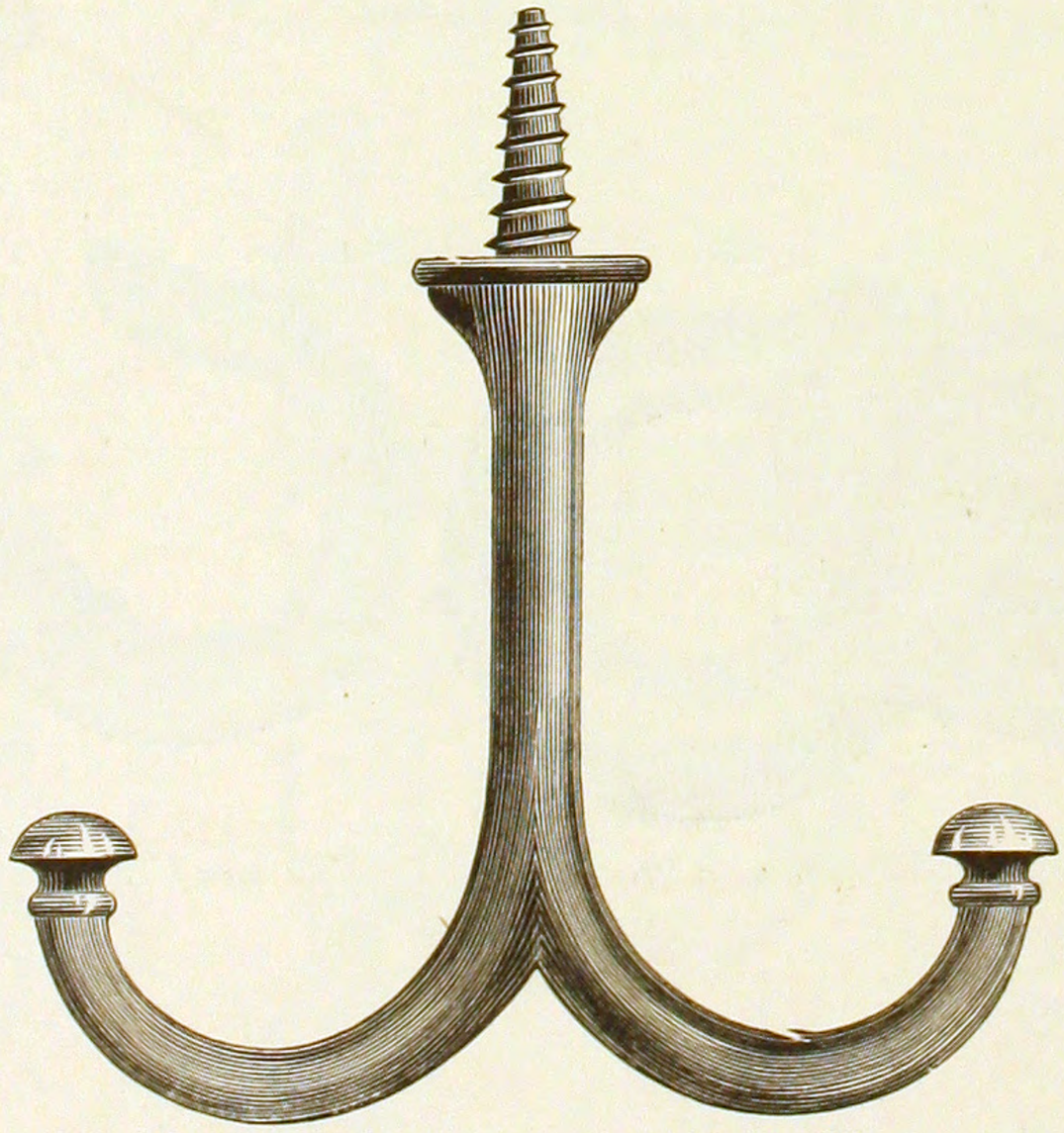
Full size Cut of Nos. 1 and 11.



Full size Cut of Nos. 2 and 12.

No. 1, Japanned,	$2 20	per gross.
" 11, Coppered,	2 20	"
" 2, Japanned,	1 60	"
" 12, Coppered,	1 60	"

½ gross in a box. 12 gross in a case.

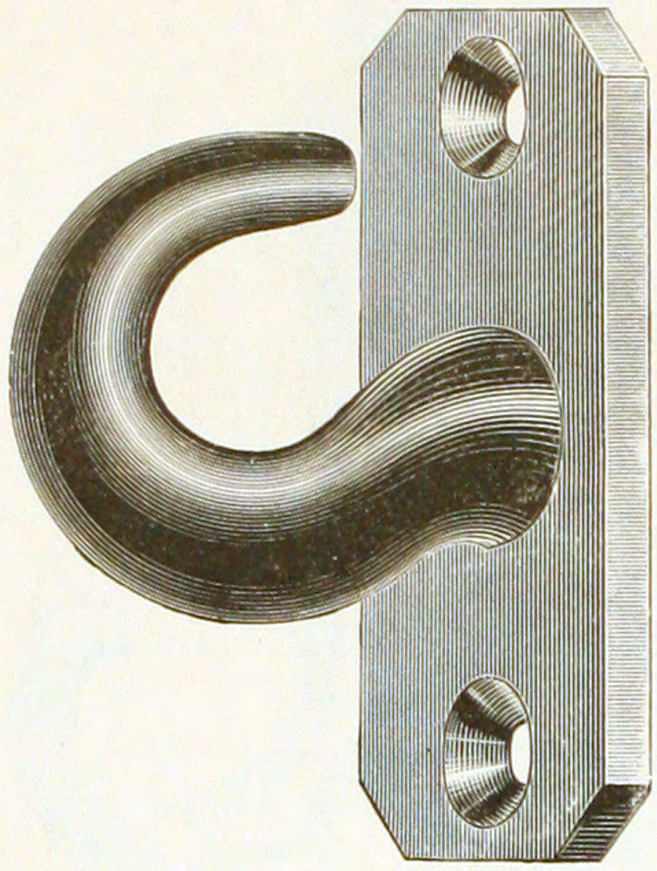


Full size Cut of Nos. 120 and 135.

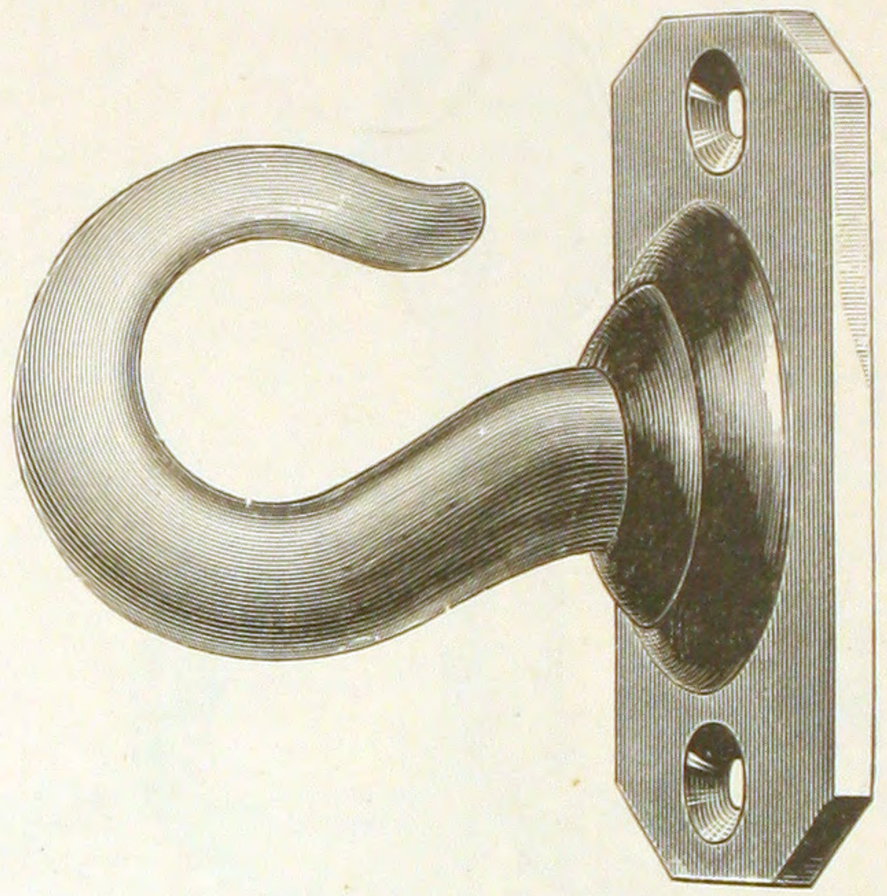
No. 120, Japanned,	$1 25	per gross.
" 135, Coppered,	1 25	"

½ gross in a box. 12 gross in a case.

CLOTHES LINE HOOKS.



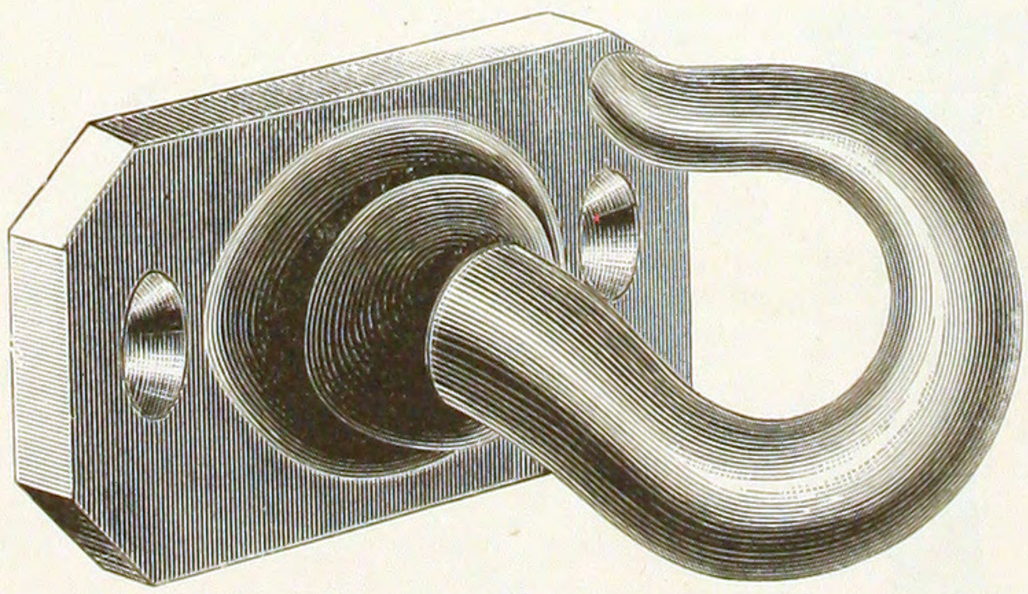
Full size Cut of Nos. 1½ and 11½.



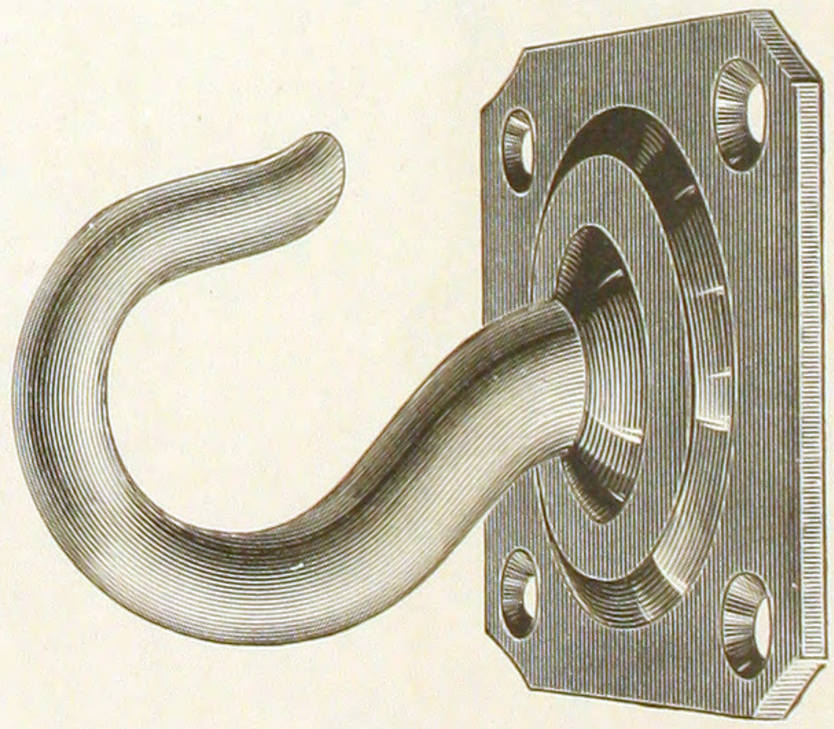
Full size Cut of Nos. 2 and 12.

No.	1½	Japanned,	$5 50 per gross.
"	11½	Galvanized,	10 00 "
"	2	Japanned,	6 00 "
"	12	Galvanized,	10 50 "

¼ gross in a box.



Full size Cut of Nos. 20 and 25.

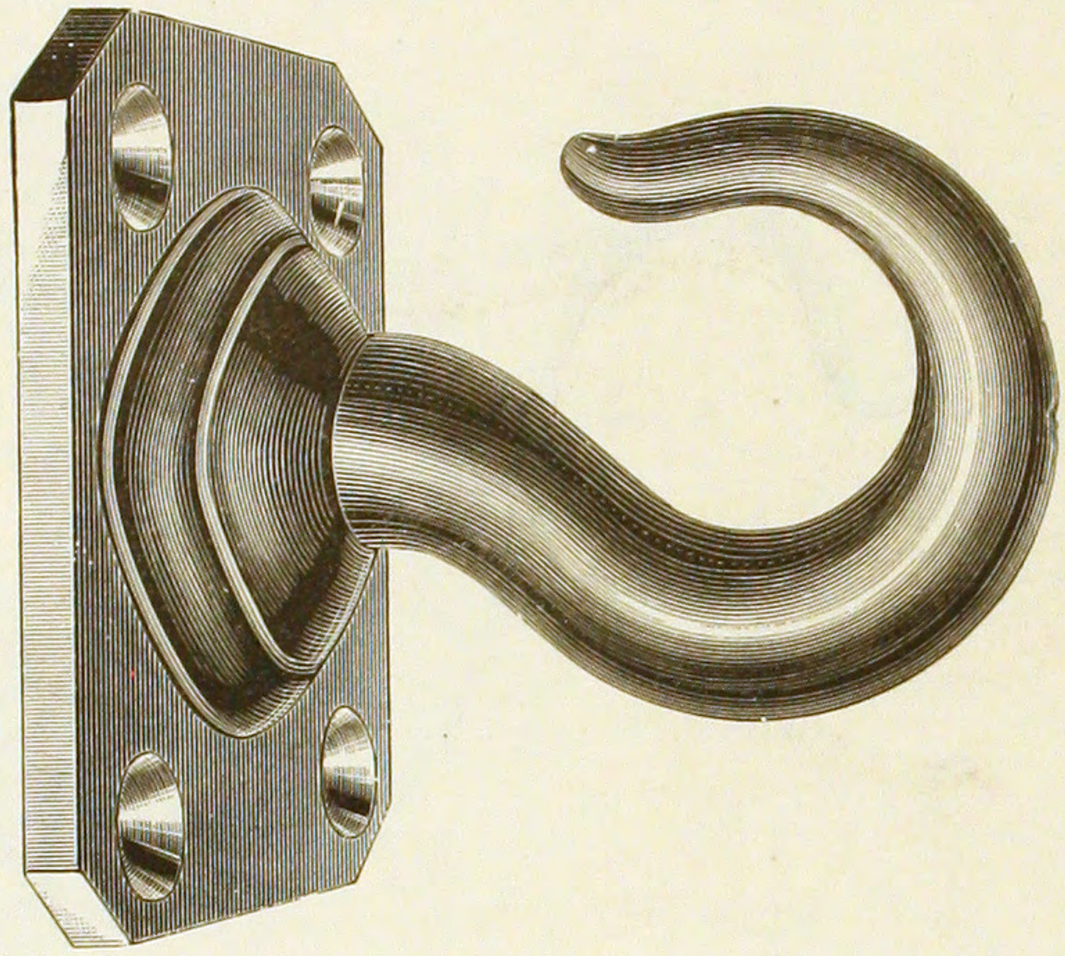


Full size Cut of Nos. 2½ and 12½.

No.	20	Japanned,	$6 00 per gross.
"	25	Galvanized,	10 50 "
"	2½	Japanned,	7 50 "
"	12½	Galvanized,	14 00 "

¼ gross in a box.

CLOTHES LINE HOOKS.

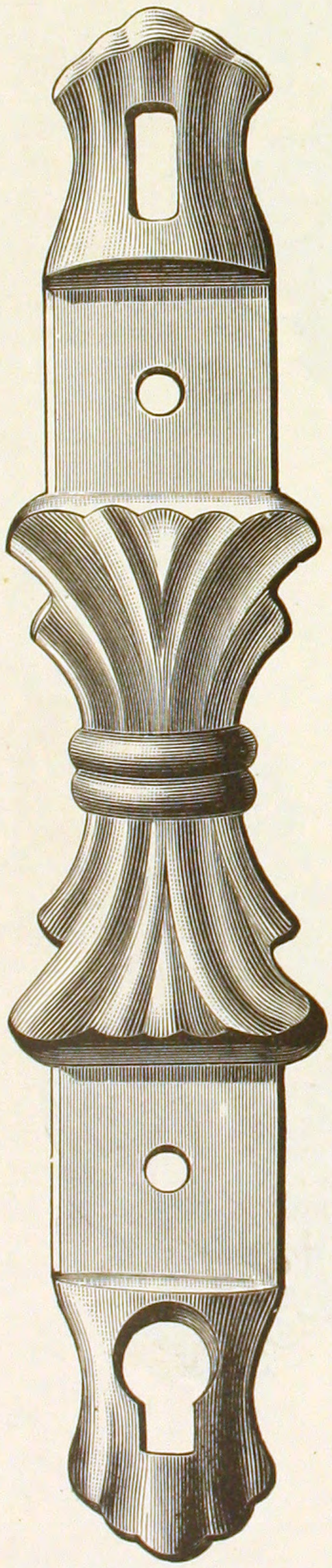


Full size Cut of Nos. 3 and 13.

No. 3, Japanned, ...	$10 00 per gross.
" 13, Galvanized, ...	18 00 "

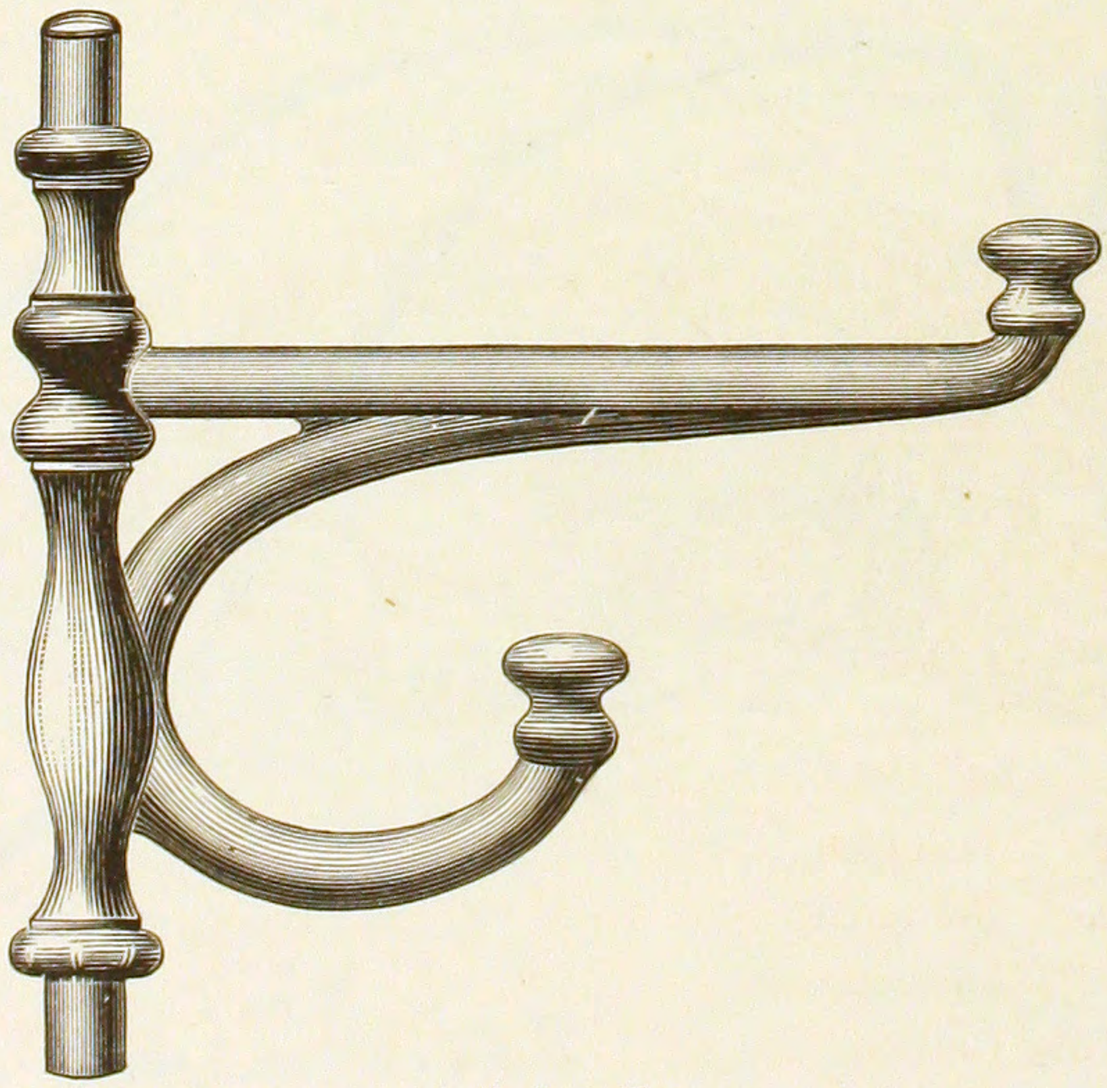
1/6 gross in a box.

Hat Rack Plates.



Full size Cut.

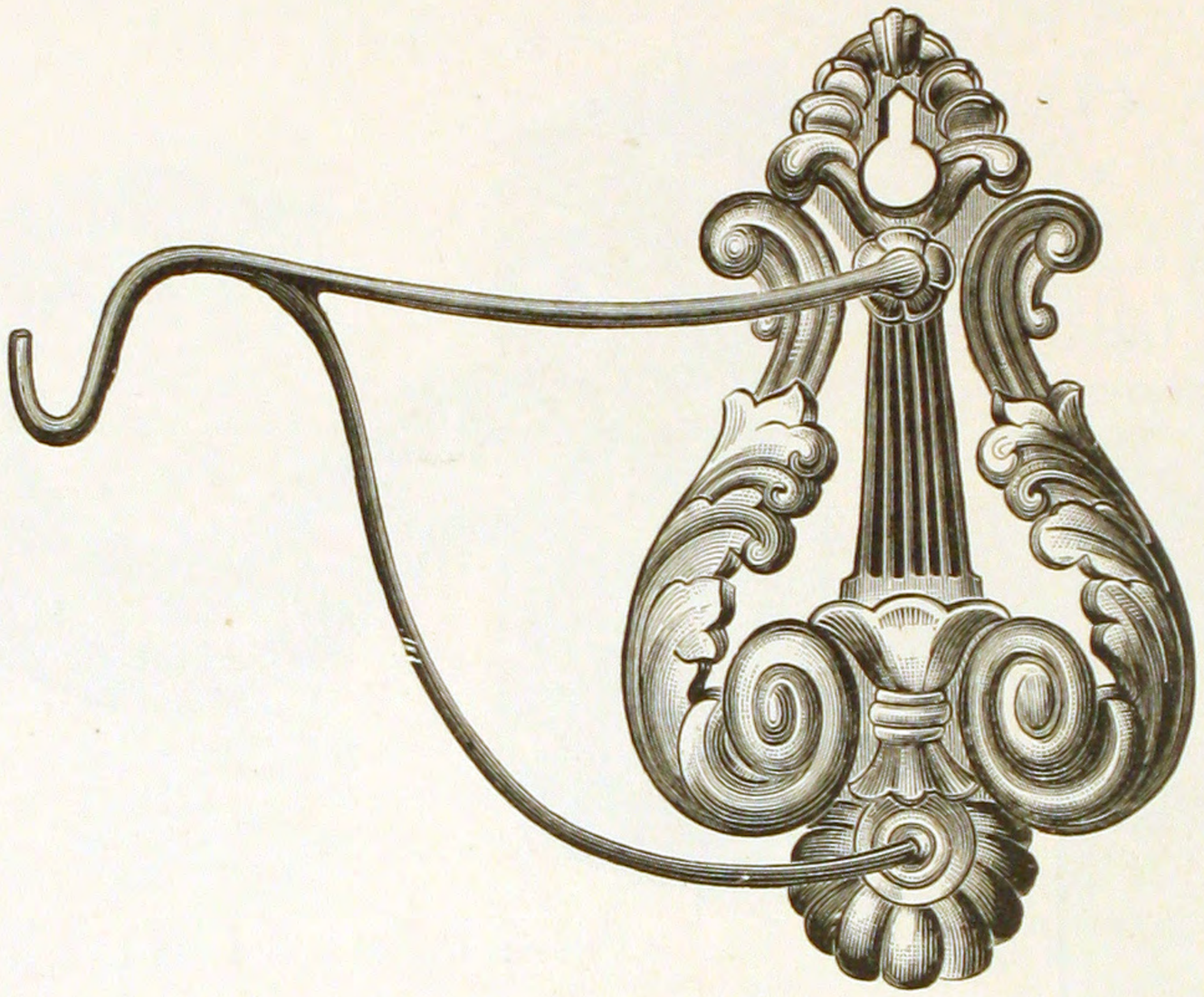
Hat Rack Hooks.



Full size Cut.

Japanned Plates, ...	$4 00 per gross.
Coppered Hooks, ...	2 00 "

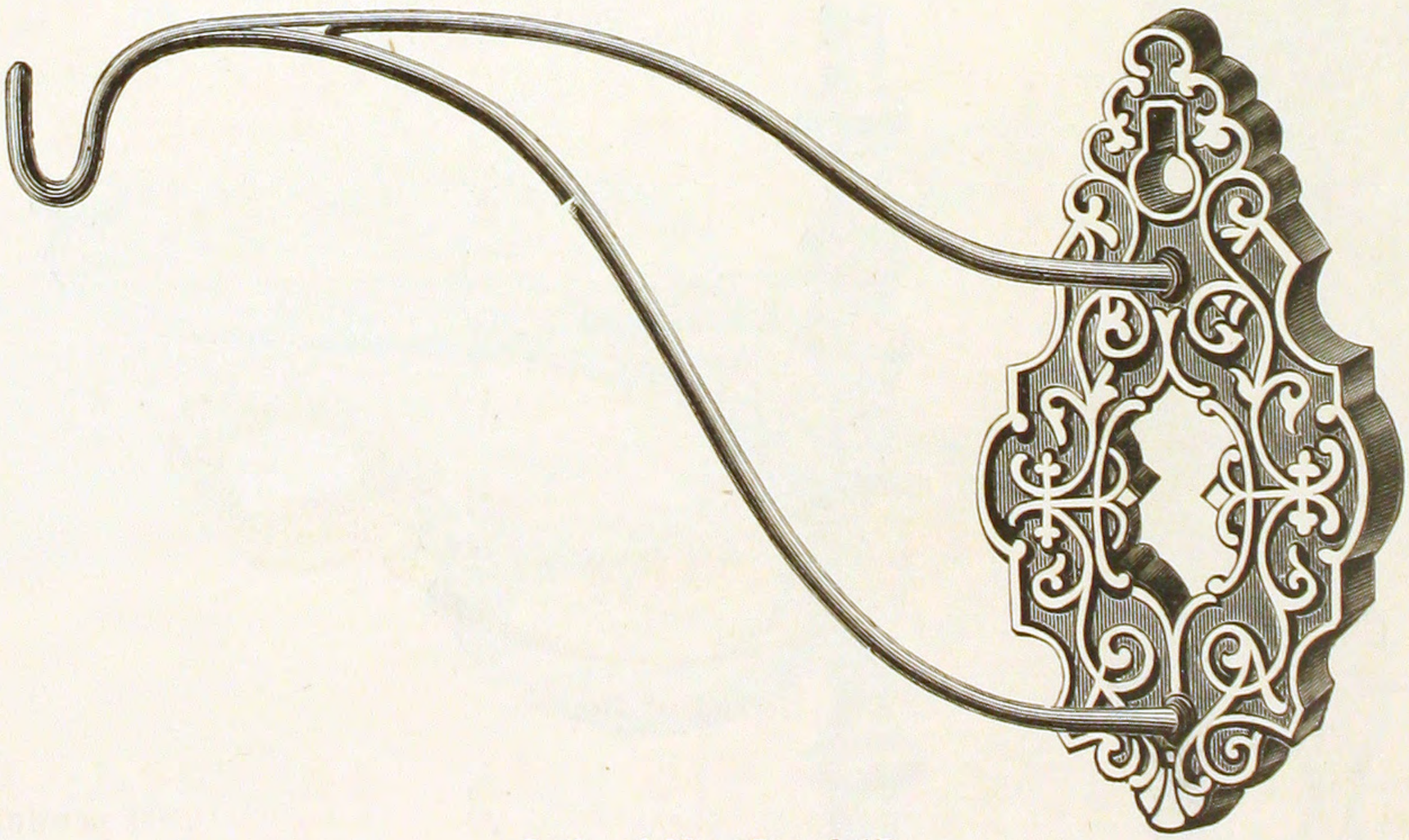
BIRD CAGE HOOKS.



Style of Nos. 5 and 15.

No. 5, Green and Gold Bronzed,	$2 00	per dozen.
" 15, Galvanized,	3 00	"
" 6, Green and Gold Bronzed, 12 inch, Extra Heavy,	4 00	"
" 16, Galvanized, 12 inch, Extra Heavy,	5 00	"

½ dozen in a package.



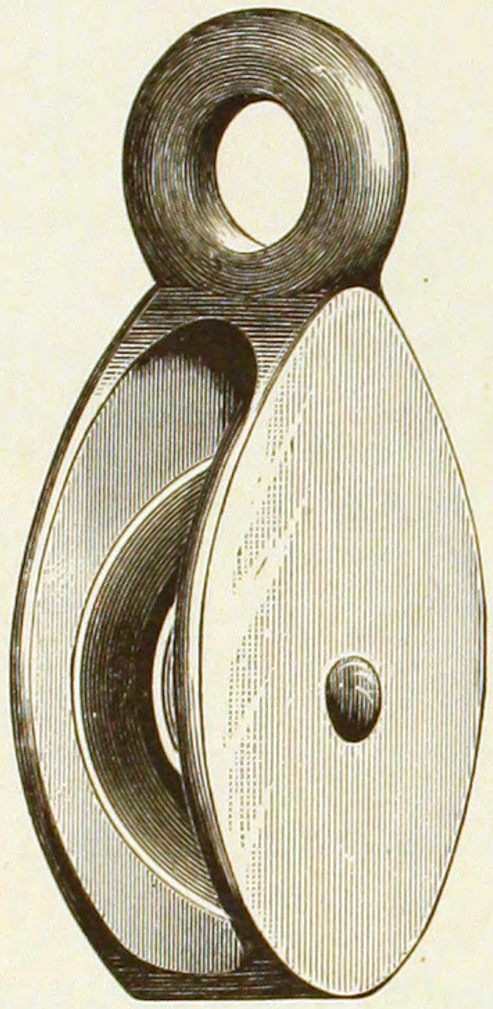
Style of Nos. 7 and 17.

No. 7, Dark Bronzed,	$2 25	per dozen.
" 17, Polished and Bronzed,	2 50	"

½ dozen in a package.

GALVANIZED TACKLE BLOCKS.

MALLEABLE IRON.—ONE EYE SINGLE.

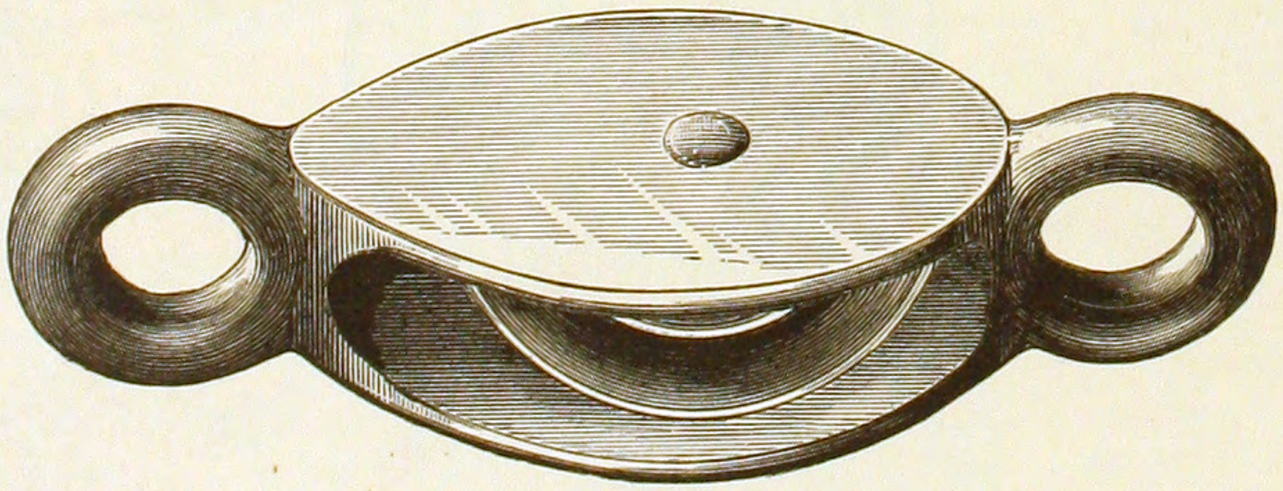


Full size Cut of No. 7.

Nos.	1	3	5	7	9	11	13	15
	$1 00	1 20	1 60	2 00	2 80	6 50	7 50	15 00 per dozen.
For	¼	¼	¼	⅜	½	⅝	¾	1 inch rope.
	½	¾	⅞	1⅛	1½	2¼	3	3½ inch wheel.
All Brass, Nos.		33	35	37				
		$3 20	4 30	5 50				

No. 9 and smaller, 1 dozen in a box. Nos. 11 and 13, ½ dozen. Larger sizes loose.

TWO EYE SINGLE.



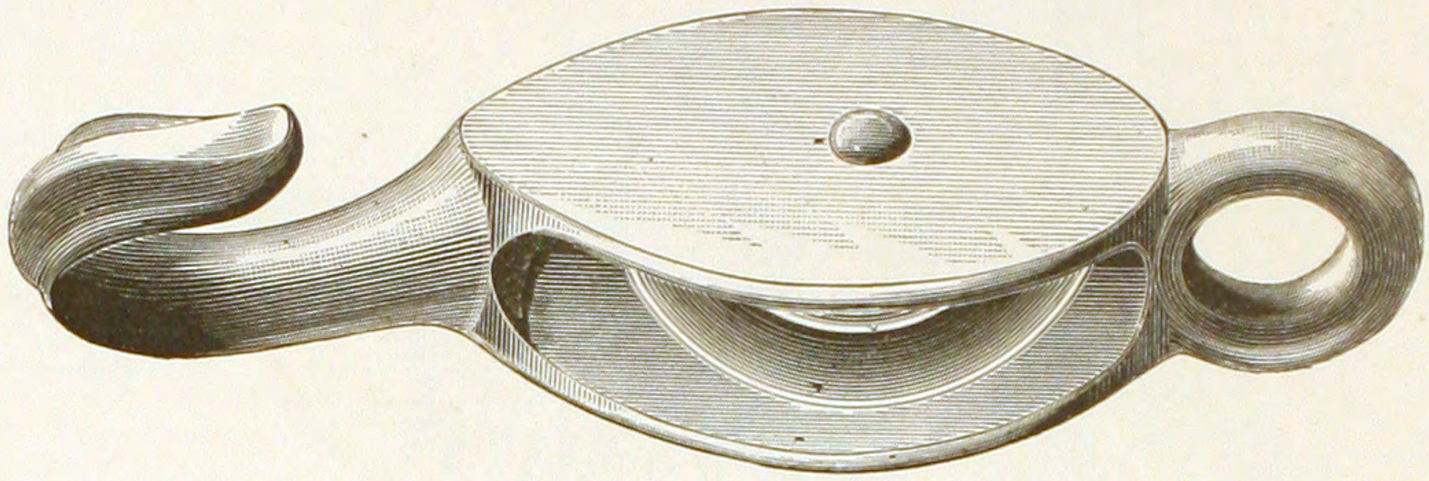
Full size Cut of No. 7½.

Nos.	1½	3½	5½	7½	9½	11½	13½	15½
	$1 10	1 30	1 75	2 15	3 00	7 00	8 00	16 00 per dozen.
For	¼	¼	¼	⅜	½	⅝	¾	1 inch rope.
	½	¾	⅞	1⅛	1½	2¼	3	3½ inch wheel.
All Brass, Nos.		33½	35½	37½				
		$3 70	4 80	6 00				

No. 9½ and smaller, 1 dozen in a box. Nos. 11½ and 13½, ½ dozen. Larger sizes loose.

GALVANIZED TACKLE BLOCKS.

MALLEABLE IRON.—HOOK AND EYE, SINGLE.

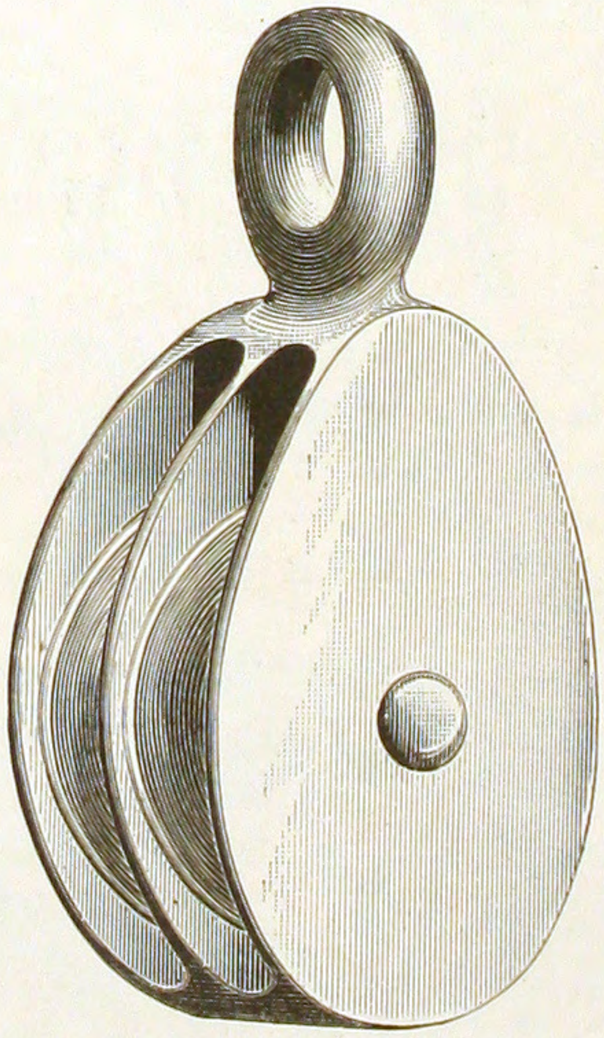


Full size Cut of No. 7¼

No.	1¼	3¼	5¼	7¼	9¼	11¼	13¼	15¼	
	$1 10	1 30	1 75	2 15	3 00	7 00	8 00	16 00	per dozen.
For	¼	¼	¼	⅜	½	⅝	¾	1	inch rope.
	½	¾	⅞	1⅛	1½	2¼	3	3½	inch wheel.

No. 9¼ and smaller, 1 dozen in a box. Nos. 11¼ and 13¼, ½ dozen. Larger sizes loose.

ONE EYE, DOUBLE.



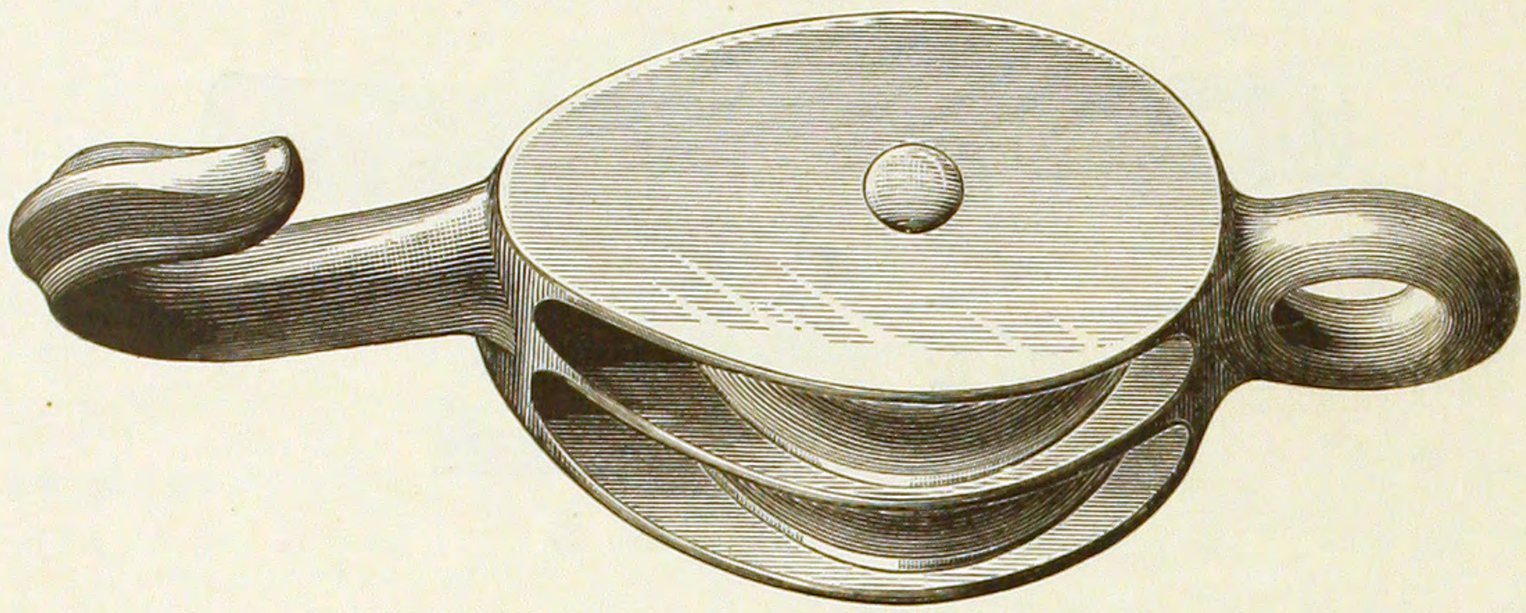
Full size Cut of No. 8.

Nos.	2	4	6	8	10	12	14	16	
	$2 00	2 40	3 20	4 00	5 50	10 00	11 00	23 00	per dozen.
For	¼	¼	¼	⅜	½	⅝	¾	1	inch rope.
	½	¾	⅞	1⅛	1½	2¼	3	3½	inch wheel.
All Brass, Nos.		34	36	38					
		$6 40	8 60	11 00					

No. 10 and smaller, 1 dozen in a box. No. 12, ½ dozen. Larger sizes loose.

GALVANIZED TACKLE BLOCKS.

MALLEABLE IRON.—HOOK AND EYE, DOUBLE.



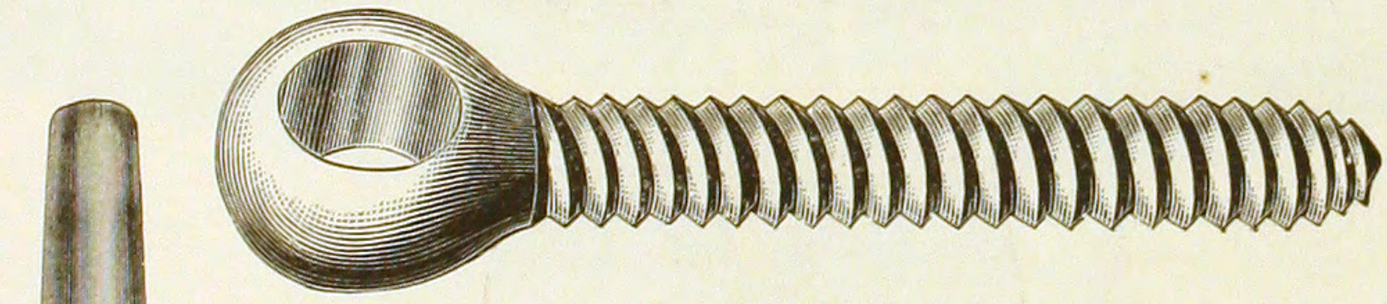
Full size Cut of No. 8¼.

Nos.	2¼	4¼	6¼	8¼	10¼	12¼	14¼	16¼	
	$2 15	2 50	3 35	4 15	5 70	11 00	12 00	24 00	per dozen.
For	¼	¼	¼	⅜	½	⅝	¾	1	inch rope.
	½	¾	⅞	1⅛	1½	2¼	3	3½	inch wheel.

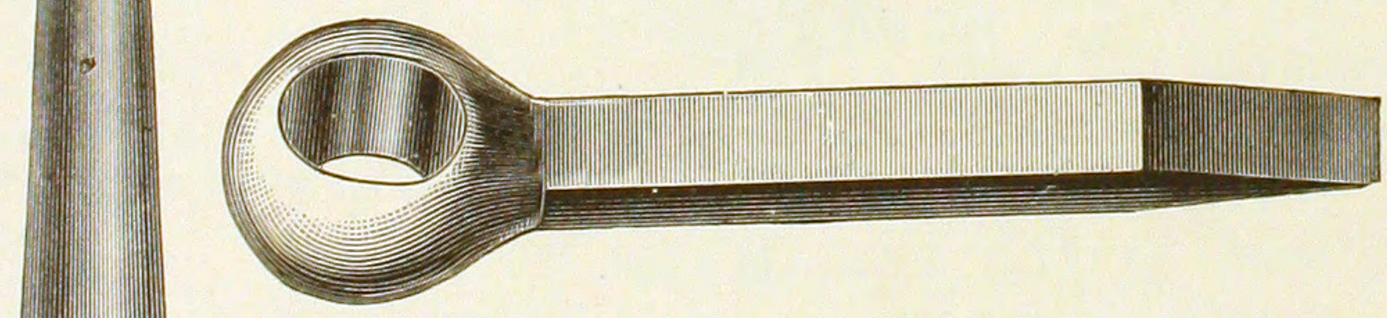
No. 10¼ and smaller, 1 dozen in a box. No. 12¼, ½ dozen. Larger sizes loose.

Galvanized Rudder Braces.

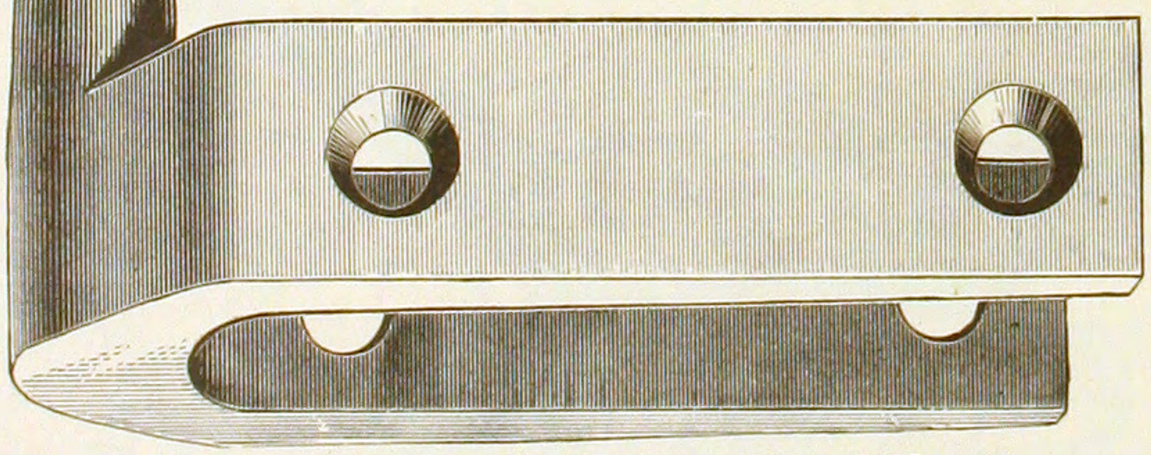
MALLEABLE IRON.



To Screw.



To Drive.



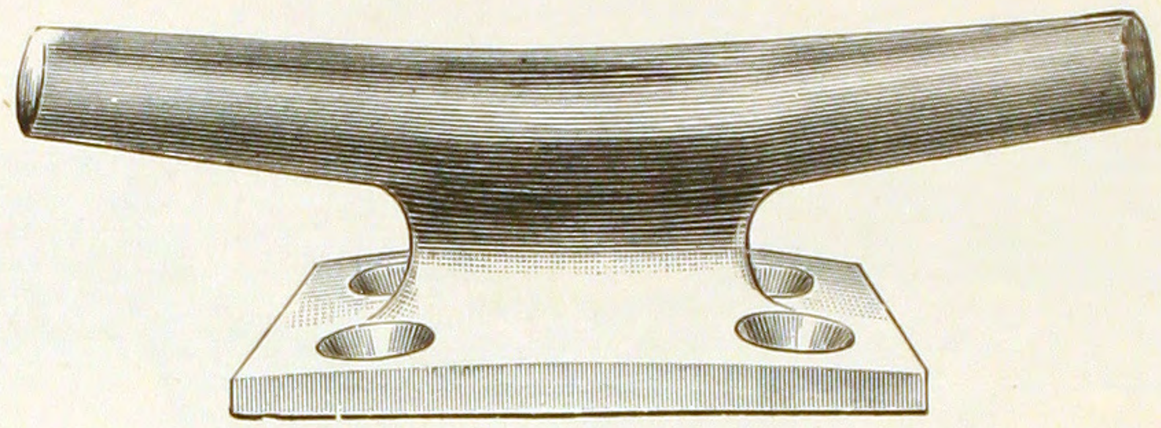
Full size Cut of No. 1.

No. 1, ⅝ inch between straps, ...	$3 50	per dozen pairs.
" 2, ⅞ " " "	4 50	" "
" 3, 1 " " "	6 00	" "

These go in pairs, one large and one small Rudder Brace, with two drives or two screws.

GALVANIZED CLEATS.

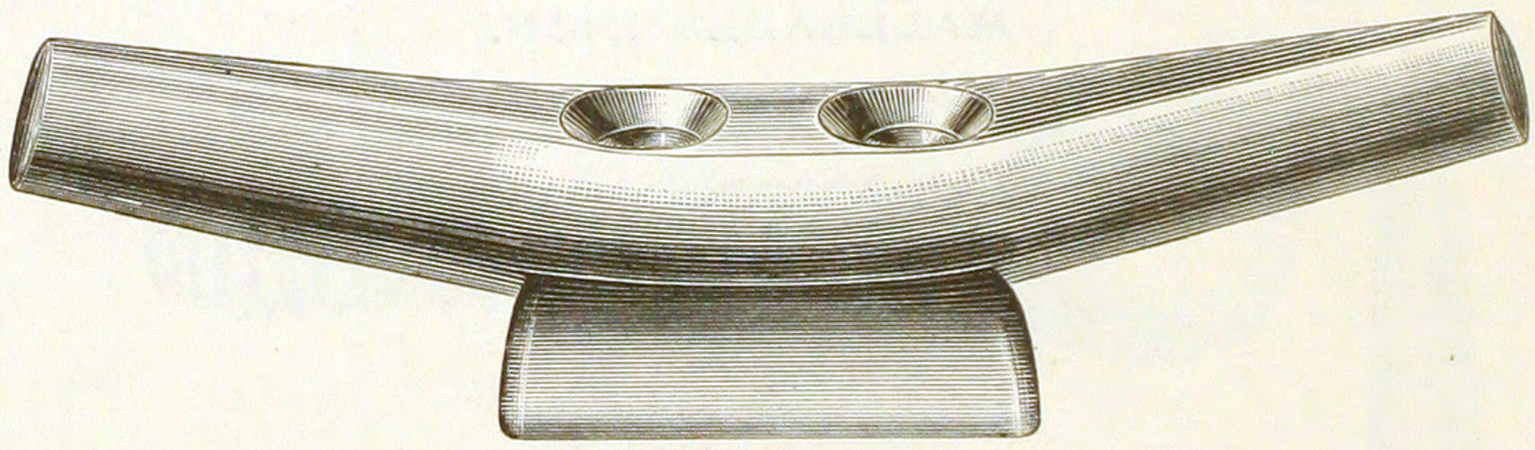
MALLEABLE IRON.



Full size Cut of No. 2.

No. 1, 2	inches long,	. . . . .	$1 00 per dozen.
" 2, 3¼	" "	. . . . .	1 25 "
" 3, 3¾	" "	. . . . .	1 90 "
" 11, 2	" "	Brass Polished, ...	2 60 "
" 12, 3¼	" "	" "	3 25 "

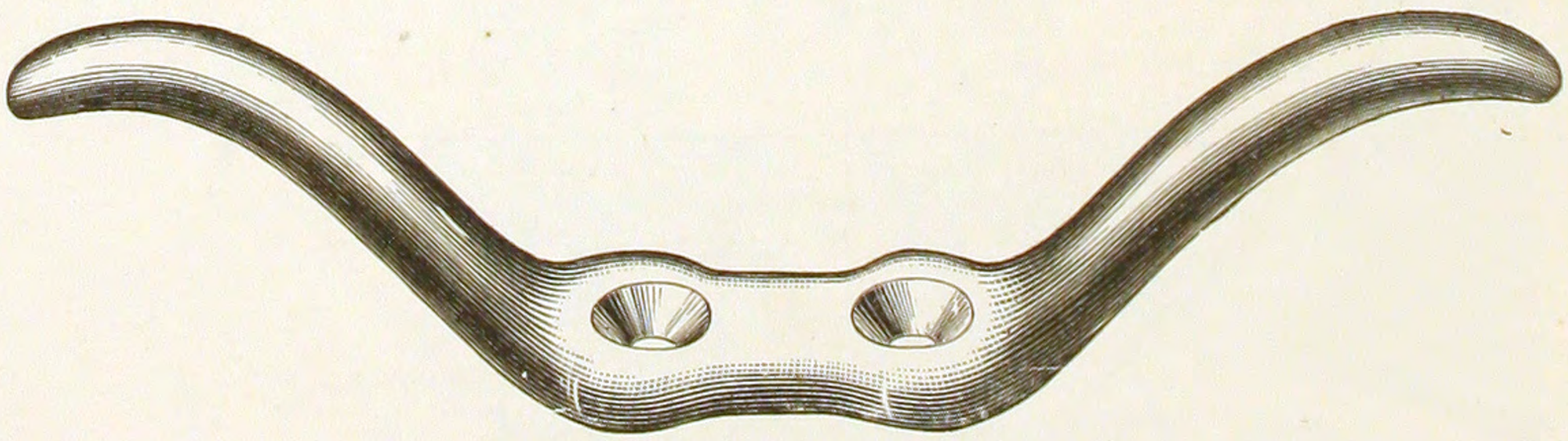
1 dozen in a box.



Full size Cut of No. 4.

No. 4, 4½	inches long, ...	$1 90 per dozen.
" 5, 5¾	" "	2 50 "

1 dozen in a box.

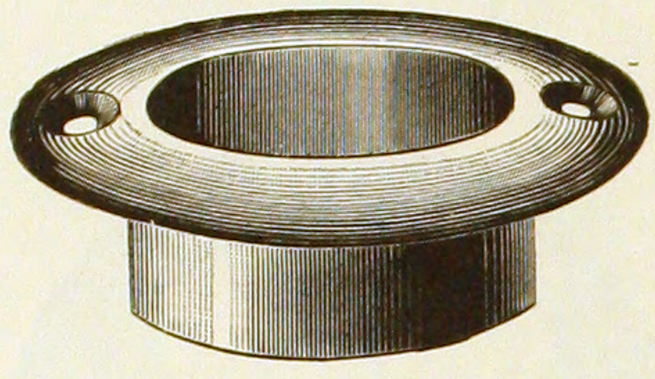


Full size Cut of No. 6.

No. 6, 4½	inches long, ...	$0 60 per dozen.
" 7, 6½	" "	1 20 "
" 8, 4½	" "	50 "

2 dozen a box.

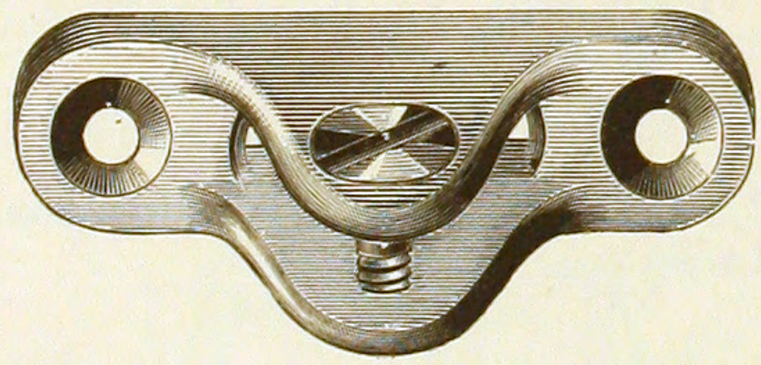
Hatch Rope Eyes.



7/8 inch, inside measurement,	$0 75	per dozen.
2 1/8 " " "	1 25	"

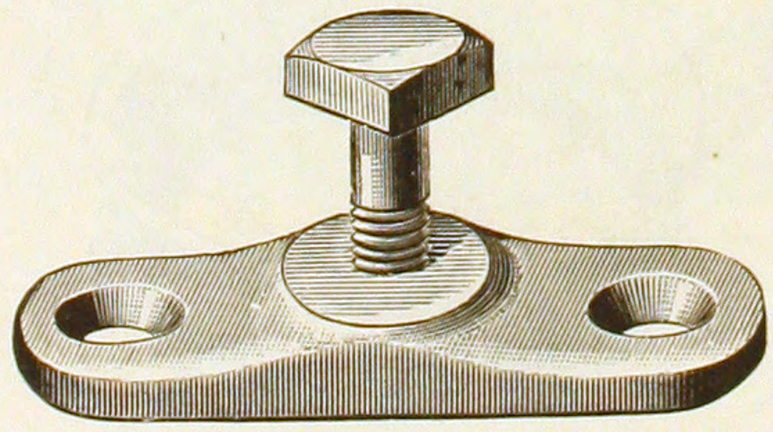
Awning Frame Plates.

MALLEABLE IRON.—GALVANIZED.



No. 1, for 1/4 inch Frame,	$0 80	per dozen.
" 2, " 3/8 " "	1 00	"

2 dozen in a box.

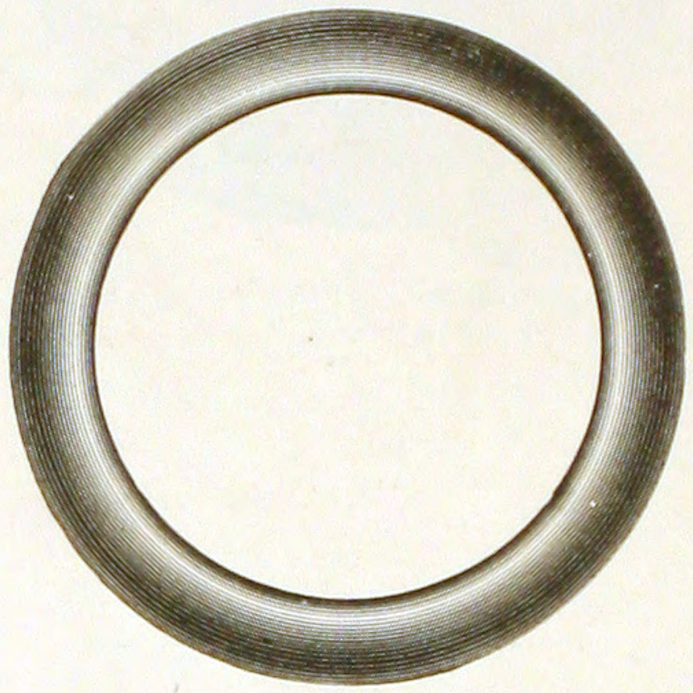


No. 3, for 3/8 inch Frame,	$0 80	per dozen.

2 dozen in a box.

Malleable Iron Rings.

GALVANIZED.

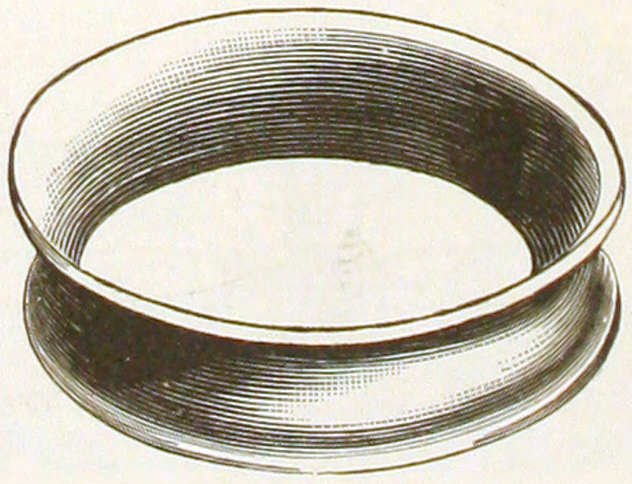


½ inch,	. . .	$0 70	per gross.	1½ inch, No. 1,	. . $2 75 per gross.
⅝ "	. . .	70	"	1½ " " 2,	. . 2 25 "
¾ "	. . .	80	"	1½ " " 3,	. . 2 00 "
⅞ "	. . .	90	"	1½ " " 6,	. . 1 60 "
1 "	. . .	1 10	"	1¾ " " 1,	. . 3 25 "
1⅛ "	. . .	1 40	"	1¾ " " 2,	. . 3 00 "
1¼ "	No. 4, . .	1 70	"	2 " " 0,	. . 4 90 "
1¼ "	" 6, . .	1 60	"	2¼ " " 0,	. . 6 50 "
1¼ "	" 8, . .	1 50	"	2½ " " 0,	. . 7 25 "

1¼ inch and smaller, 1 gross in a box.
Larger sizes, ½ gross.

Malleable Iron Thimbles.

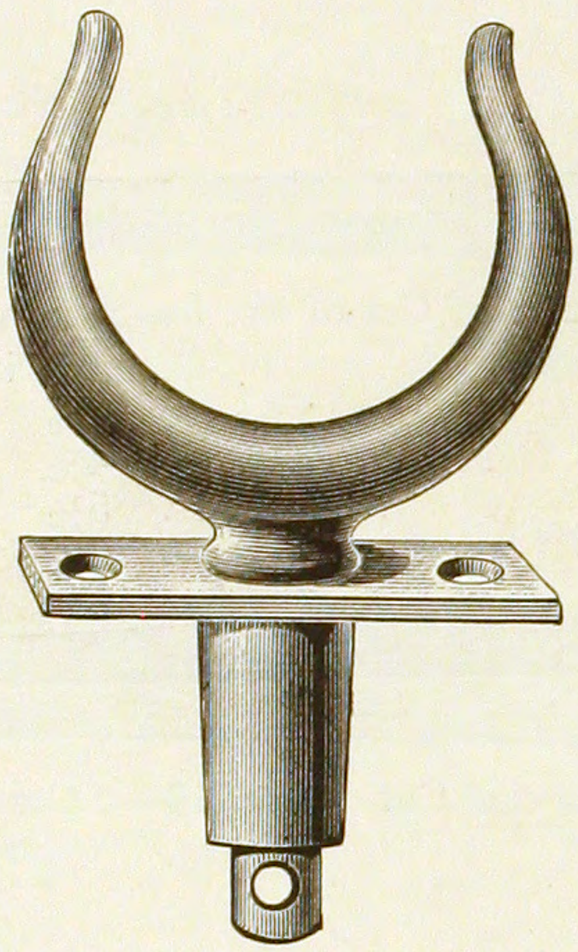
GALVANIZED.



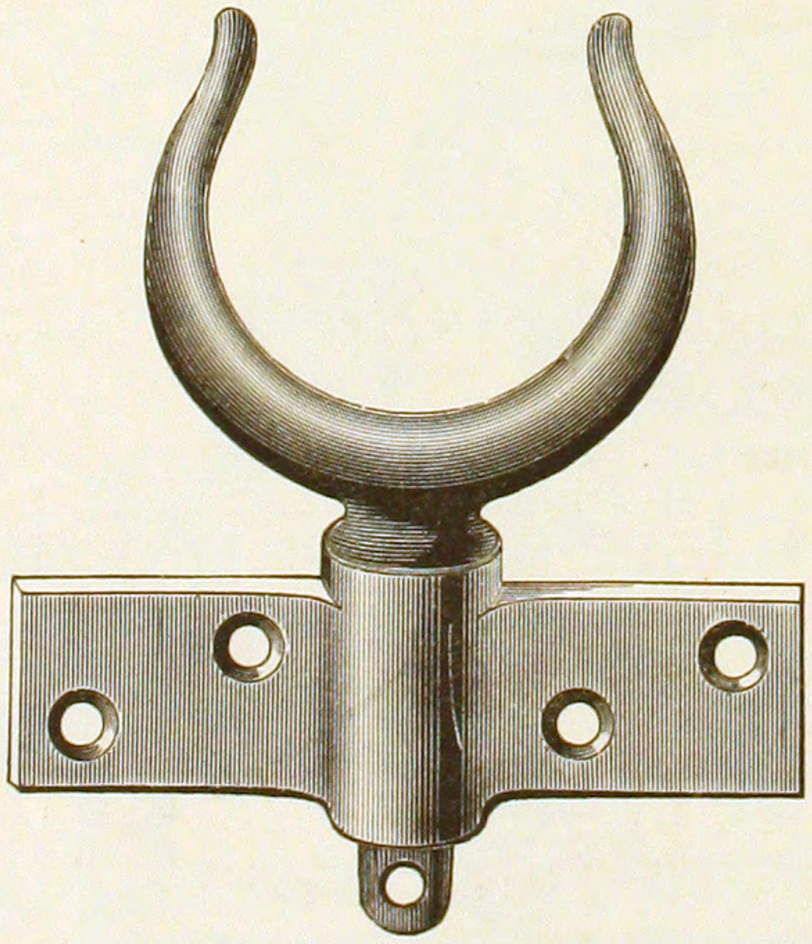
¾	⅞	1	1⅛	1¼	1⅜	1½	1¾	2	2¼	2½	2¾	3 inches.
$0 25	30	35	38	40	40	55	50	60	70	80	95	1 10 per dozen.

OAR LOCKS.

MALLEABLE IRON.

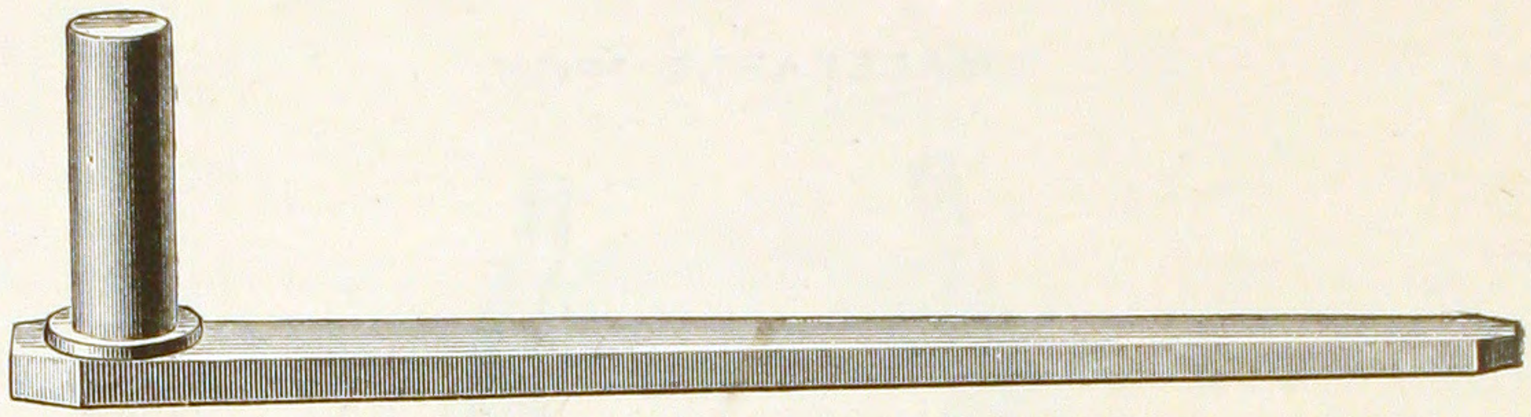


Nos.	1	2	3	4	
Size between horns,	1¾	2	2¼	2½	inch.
Galvanized,	$5 00	6 00	8 50	12 00	per dozen pairs.
Not Galvanized,	3 25	4 00	6 00	9 00	" "



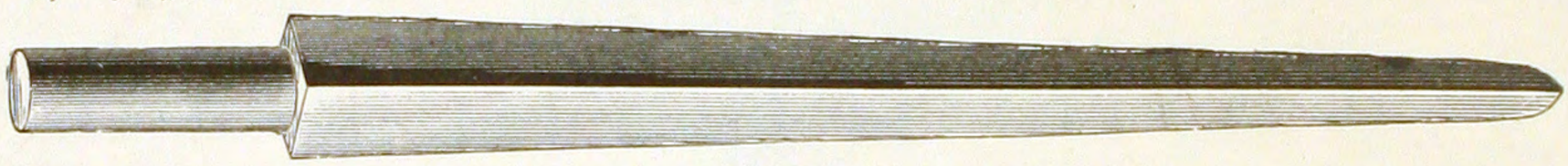
Nos.	10	11	12	
Size between horns,	1½	1¾	2	inch.
Galvanized,	$4 00	4 50	5 50	per dozen pairs.
Not Galvanized,	2 25	2 75	3 50	" "

BELL SHANKS.



Full size Cut of No. 3—2 Cranks.

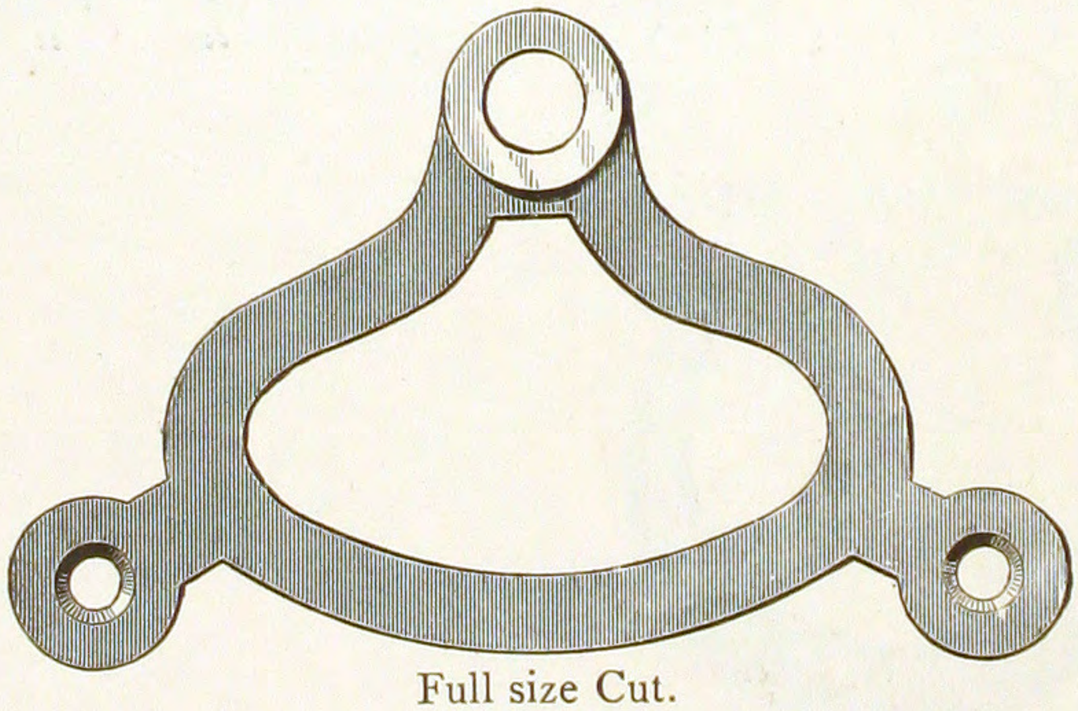
No. 1, 1 Crank, ...	2½ inches long.	12 cents per lb.
" 2, 1 "	3½ "	
" 3, 1, 2 and 3 Cranks, ...	4½ "	
" 4, 1, 2, 3 and 4 Cranks, ...	5½ "	
" 5, 1, 2, 3 and 4 "	6¼ "	



Full size Cut of No. 13—2 Cranks.

No. 11, 1 Crank, ...	2 inches long.	12 cents per lb.
" 12, 1 and 2 Cranks, ...	3 "	
" 13, 1, 2 and 3 Cranks, ...	4 "	
" 14, 1, 2, 3 and 4 Cranks	5 "	

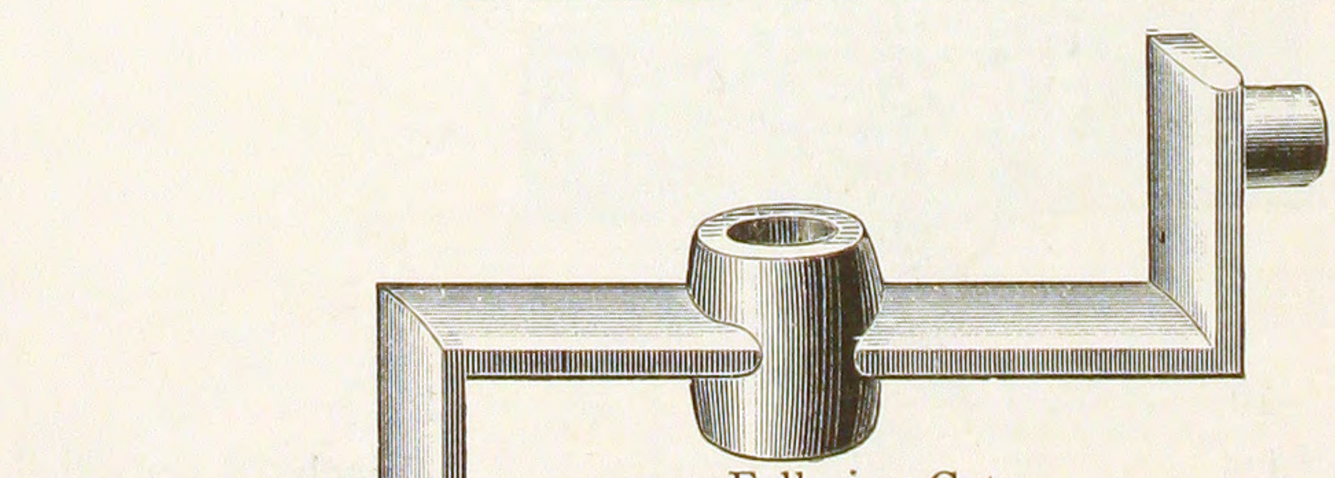
BELL CRANKS.



Full size Cut.

Plain, . .	$0 13 cents per lb.
Tinned, . .	2 00 per gross.

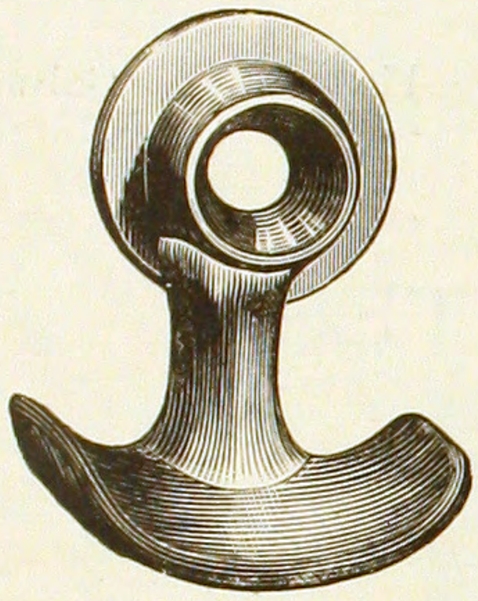
BELL CARRIAGES.



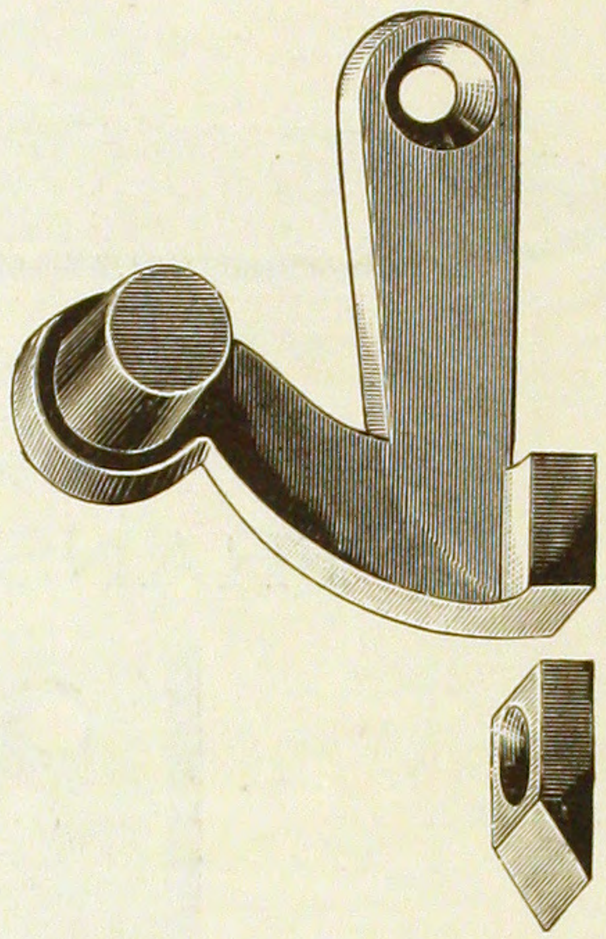
Full size Cut.

Plain, ...	$0 14 cents per lb.
" and drilled, ...	17 " "
Tinned and drilled, ...	4 20 per gross.

SASH FASTENERS.



Full size Cut of No. 10.

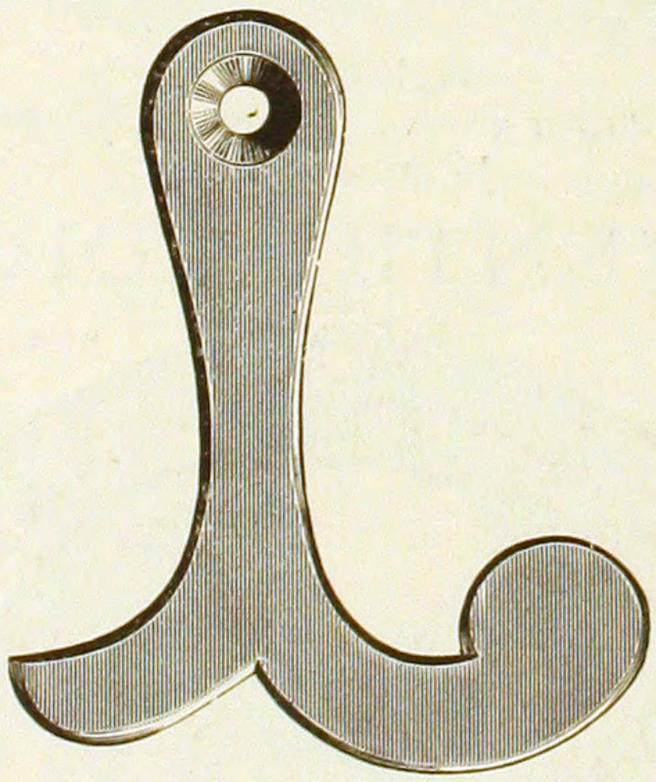


Full size Cut of No. 20.

No. 10, Coppered,	$1 20 per gross.
" 20, Japanned,	1 75 "

1 gross in a box.

Y SASH PROPS.



Full size Cut.

Japanned, ... $1 10 per gross.

1 gross in a box.

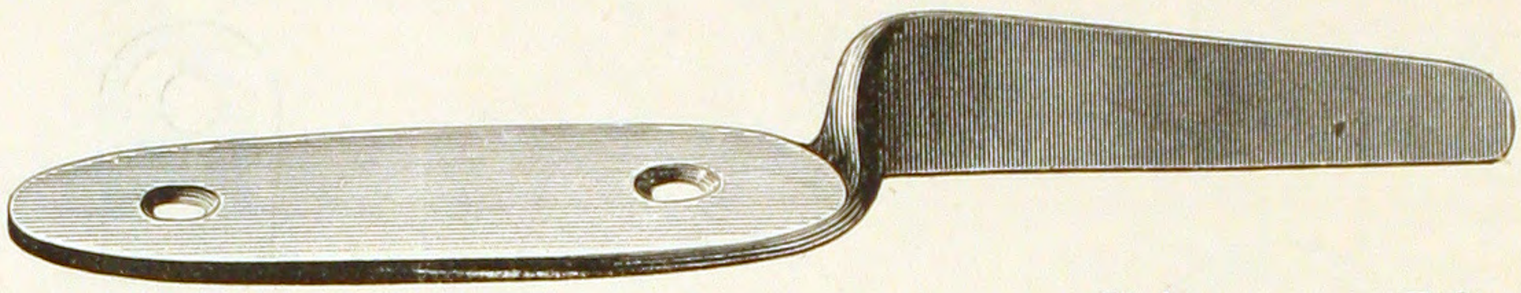
SHEAVE WHEELS.

TURNED.

3 inches,		$2 81 per dozen.	
4 "		3 75 "	
5 "	No. 1,	5 31 "	
5 "	" 2,	6 25 "	
6 inches,	No. 1,	$6 25 per dozen.	
6 "	" 2,	6 87 "	
6 "	" 3,	7 50 "	
6 "	" 4,	9 00 "	

½ dozen in a package.

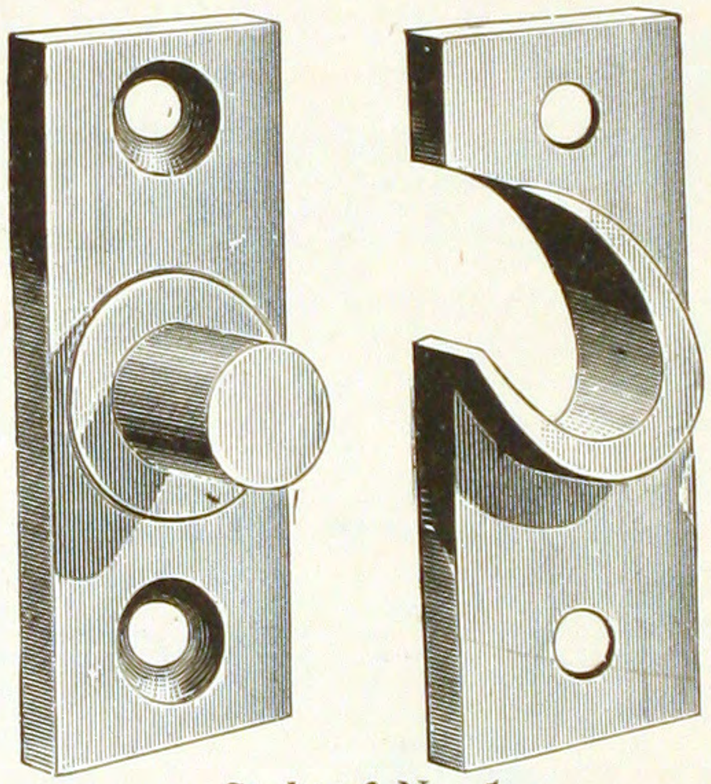
STAY NAILS.



	Plain.	Galvanized.
6 inches, ...	$4 70	$5 75 per gross.
7 "	5 50	7 50 "

½ gross in a box.

TRANSOM PLATES.

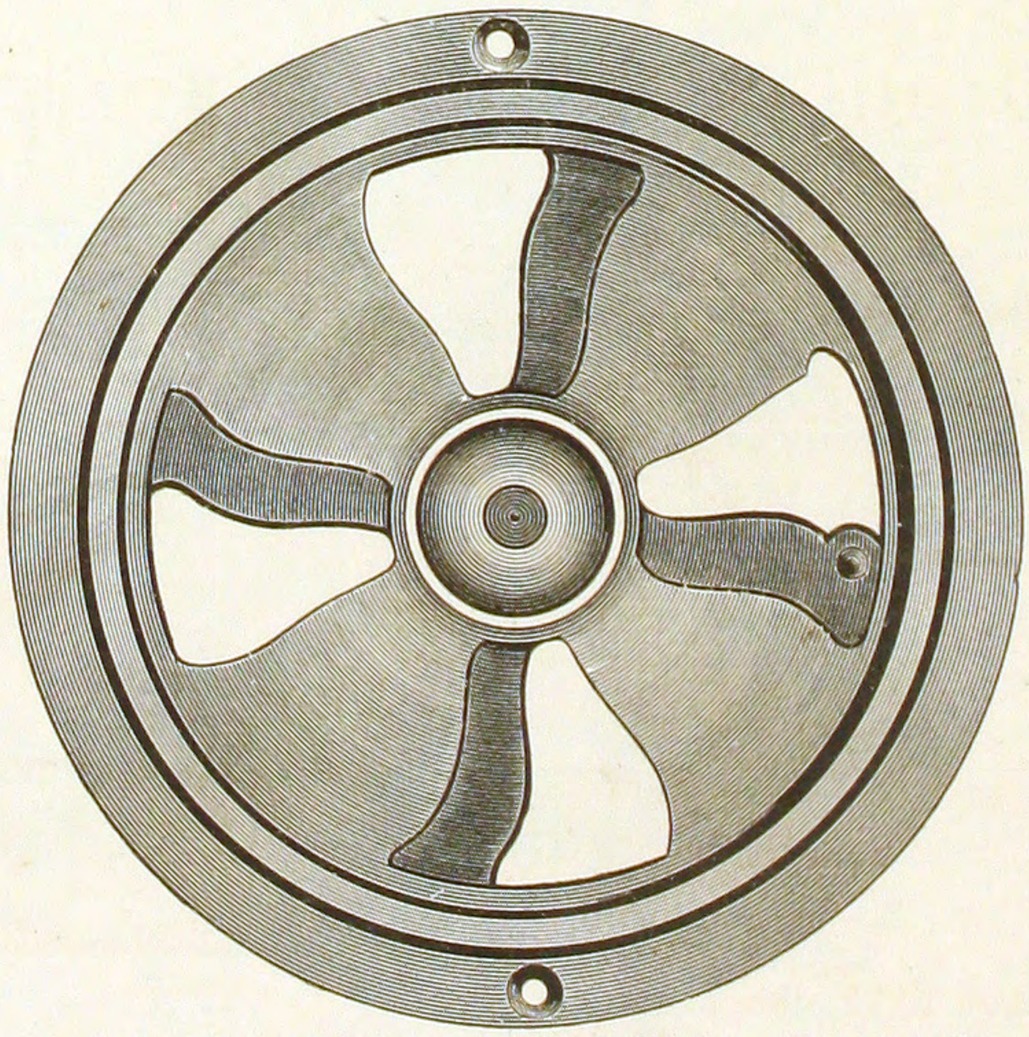


Style of No. 1.

No. 1, Japanned, . $3 90 per gross. | No. 2, Japanned, . $7 50 per gross.

½ gross in a box.

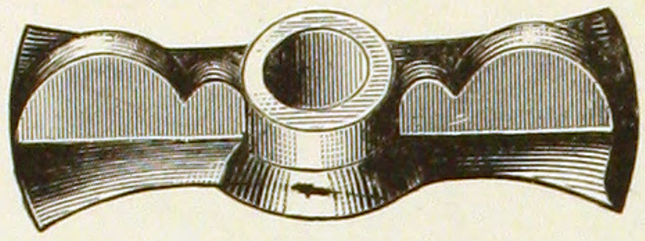
VENTILATORS.



4 inches, Japanned, . $2 00 per dozen. | 6 inches, Japanned, . $3 00 per dozen.

½ dozen in a box.

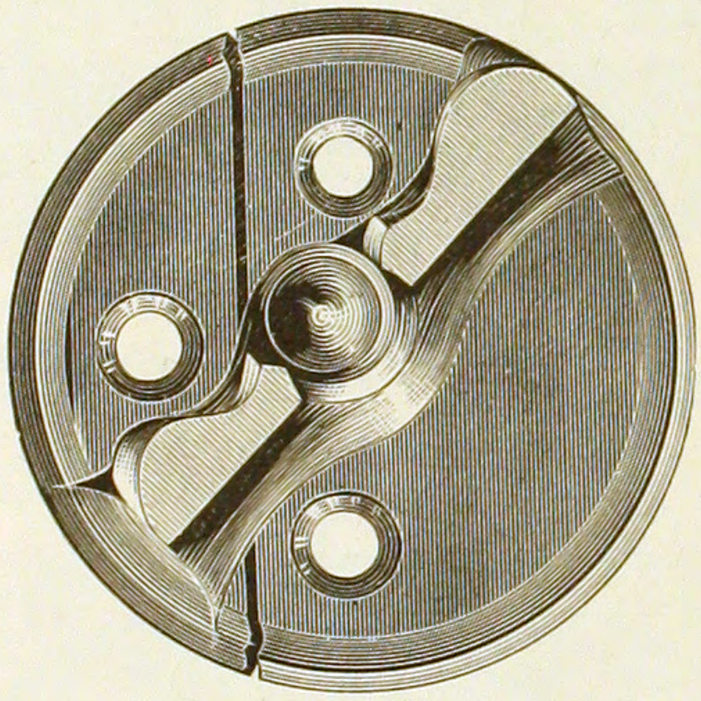
Door Buttons.



	1¼	1½	1¾	2	2¼	2½	3	inches.
Japanned,	$0 40	0 50	0 62	0 80	1 00	1 40	3 00	per gross.
Galvanized,	60	75	90	1 10	1 50	2 10	4 50	"
Brass,	2 75	3 00	3 25	4 00				

1 gross in a box.

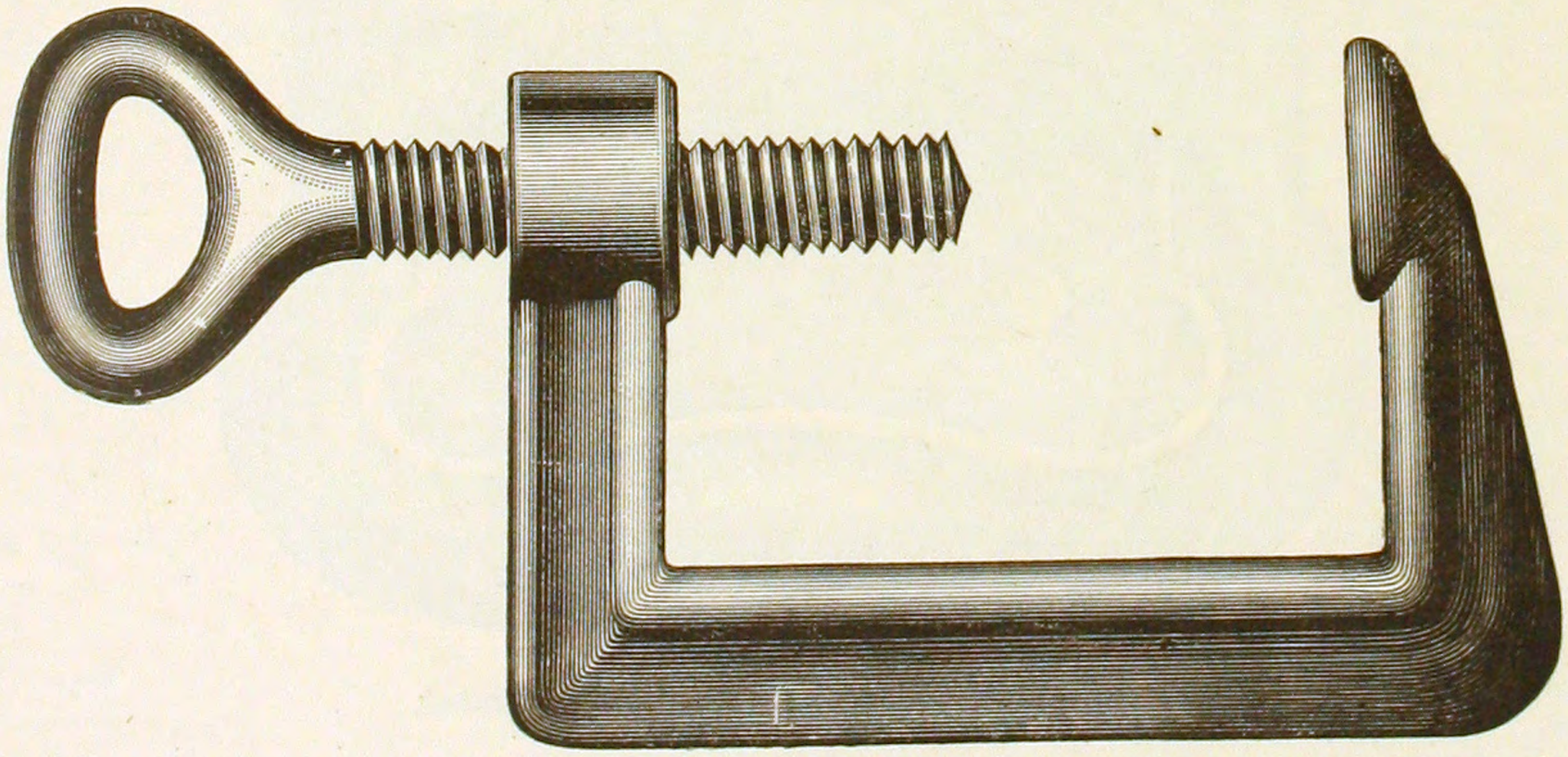
Buttons on Plates.



	1½	1¾	2	inches.
Japanned, ...	$2 25	2 63	3 00	per gross.
Galvanized, ...	3 60	4 20	4 75	"
Brass, ...	9 00	10 50	13 50	"

½ gross in a box.

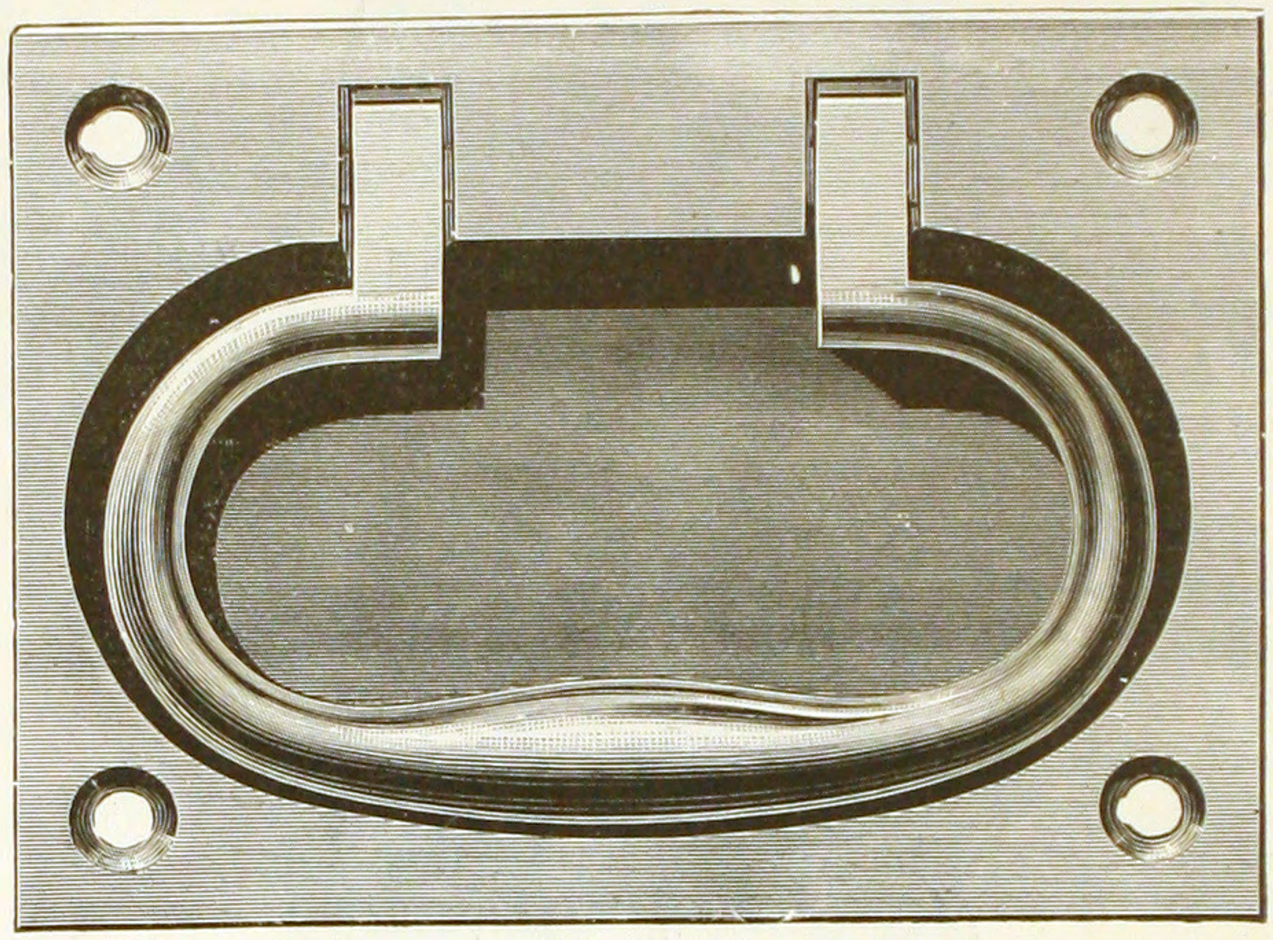
Quilting Frame Clamps.



No. 00, Japanned, open 2¼ inches, ... $0 70 per dozen.

2 dozen in a package.

FLUSH CHEST HANDLES.

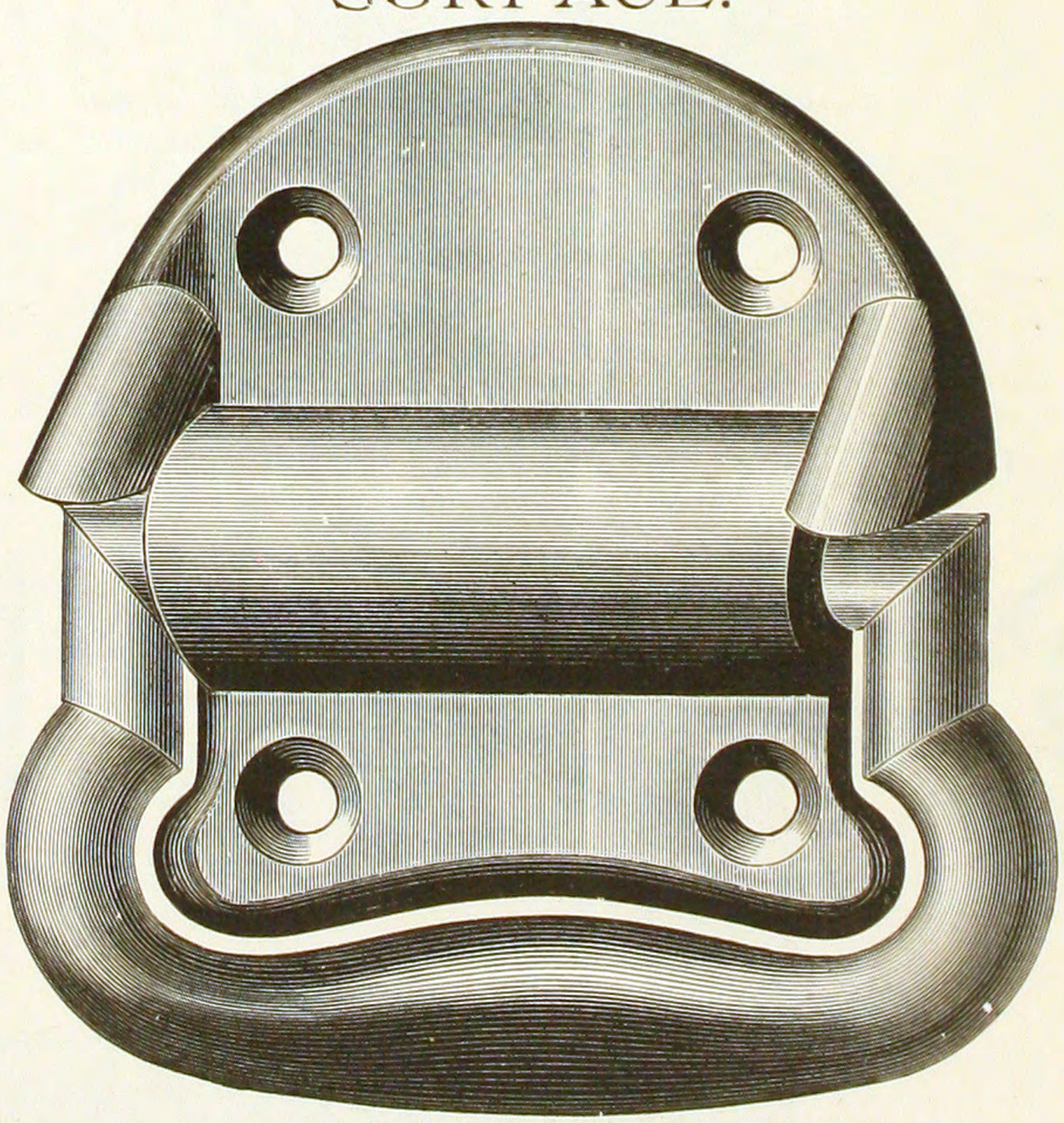


Full size Cut of No. 2.

	Per doz. pairs.		Per doz. pairs.
No. 1, Japanned, 2¼ x 3 inches, . .	$1 75	No. 3, Japanned, 3⅝ x 4⅝ inches, . .	$5 00
" 2, " 2⅝ x 3⅝ " . .	2 25	" 4, " 4½ x 5⅜ " . .	5 50

Nos. 1 and 2, 1 dozen pairs in a box. Nos. 3 and 4, ½ dozen pairs.

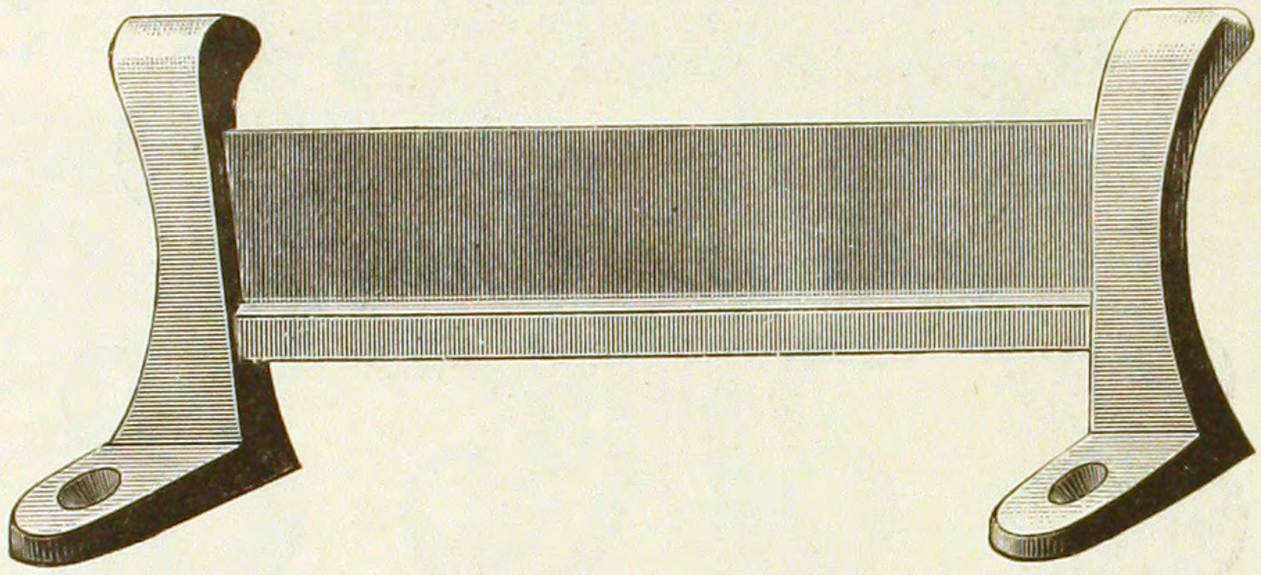
SURFACE.



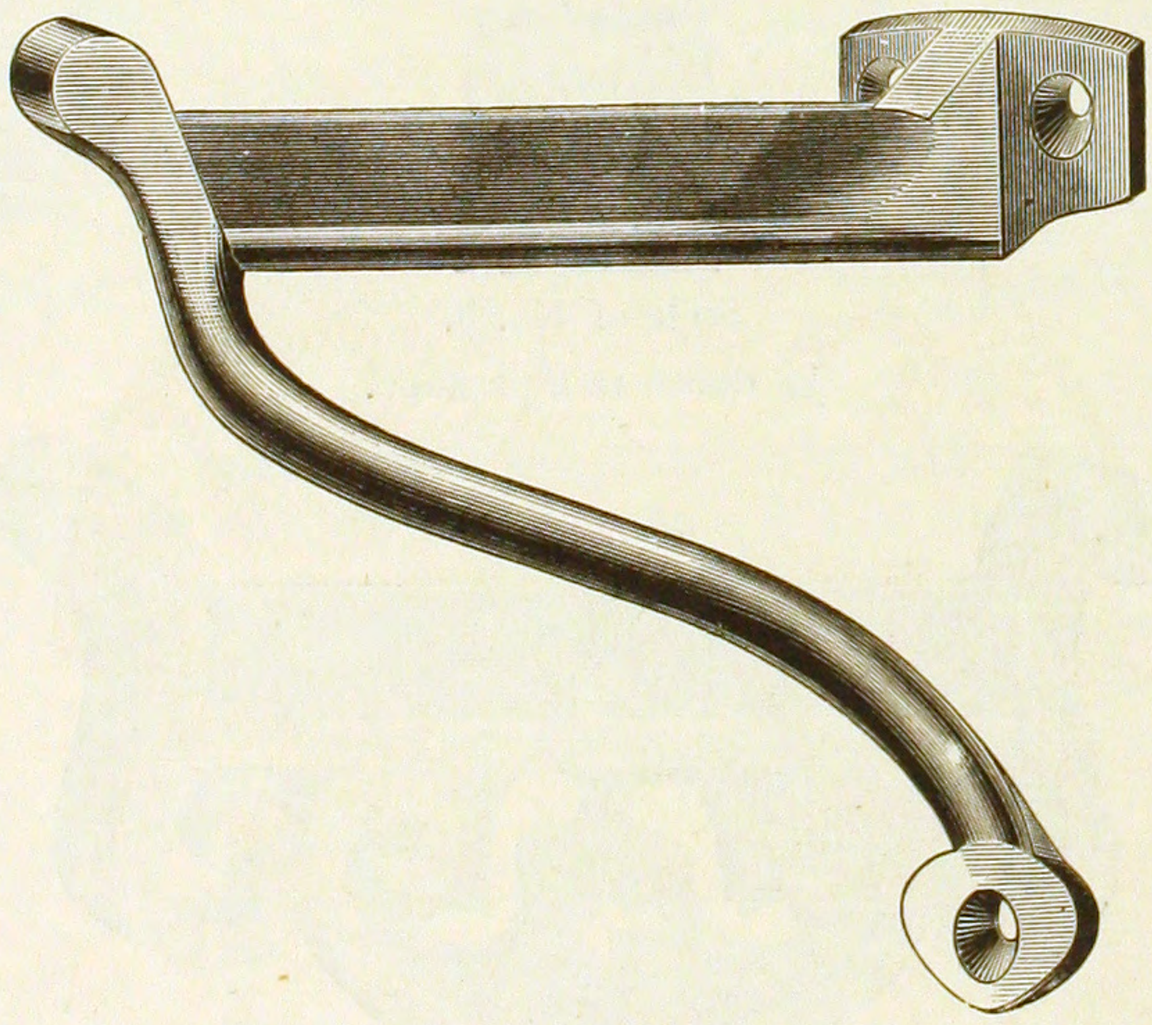
	Per doz. pairs.		Per doz. pairs.
No. 20, Japanned, ...	$1 60	No. 122, Galvanized, ...	$6 00
" 21, "	2 50	" 123, "	9 00
" 22, "	3 65	" 24, Japanned, with Oval Plates, for Tubs,	4 00
" 23, "	5 10	" 124, Galvanized, " " "	6 50
" 120, Galvanized, ...	3 00	" 224, " " " "	
" 121, "	4 50	Malleable Iron, . . .	13 50

Nos. 20 and 21, 1 dozen pairs in a box. Nos. 22, 23 and 24, ½ dozen pairs.

FOOT SCRAPERS.



Style of No. 2.

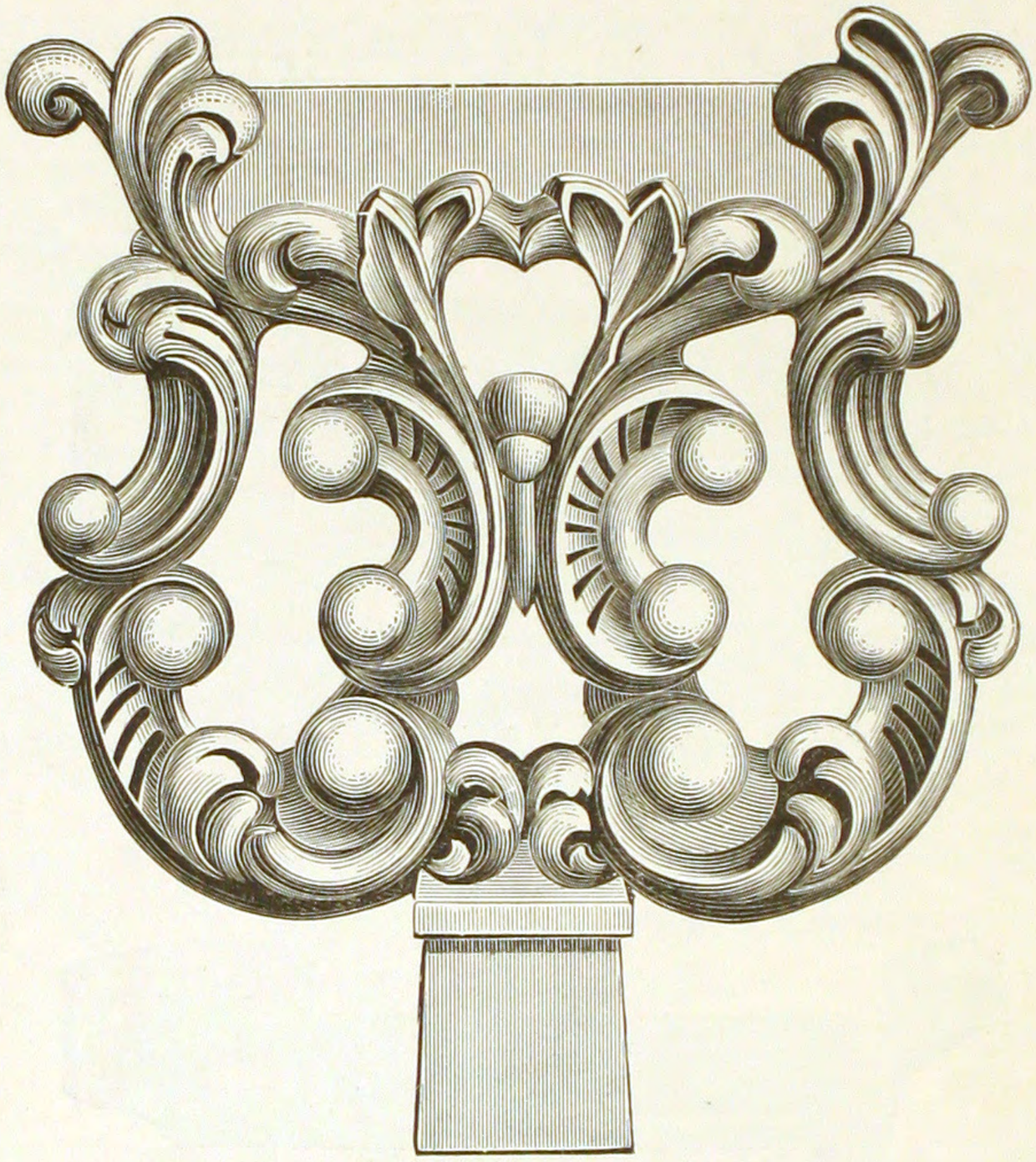


Style of No. 3.

	Japanned.	Galvanized.
No. 2, For wood, ...	$0 85	$1 75 per dozen.
" 3, "	1 00	2 00 "

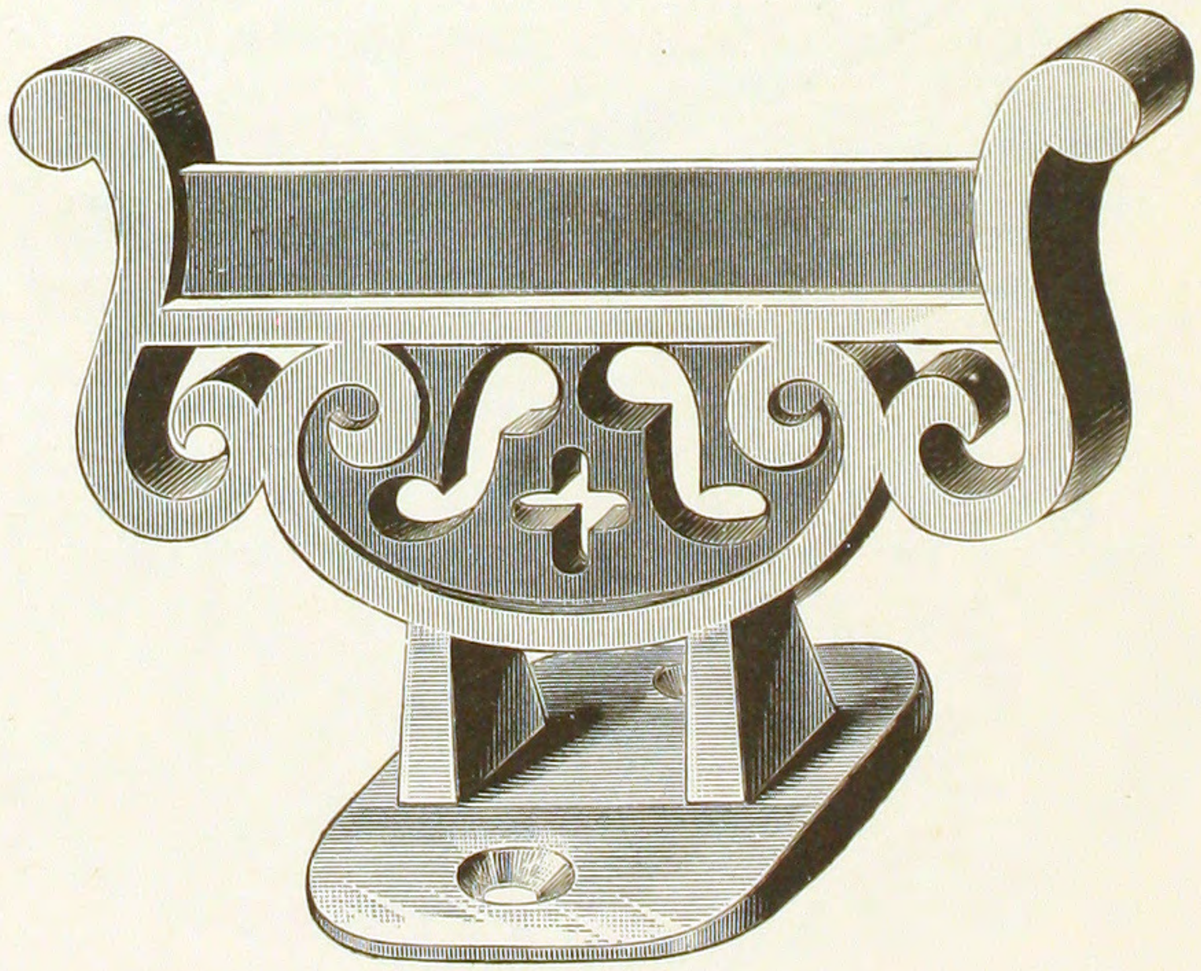
1 dozen in a package.

FOOT SCRAPERS.



Style of No. 9.

½ dozen in a package.



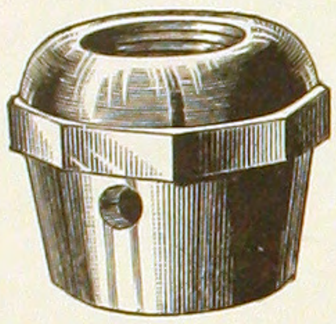
Style of No. 4.

	Not Japanned.	Japanned.	Galvanized.
No. 9, For stone, ...	$4 25	5 00	8 00 per dozen.
" 4, " wood, ...	1 00	1 30	2 60 "
" 6, " stone, ...	1 50	2 00	3 00 "

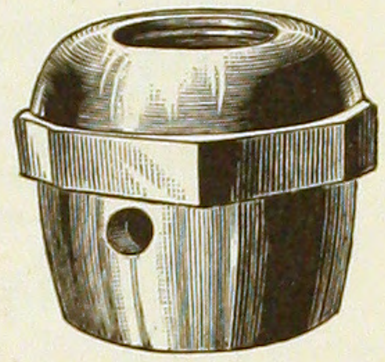
1 dozen in a package.

OCTAGON OX BALLS.

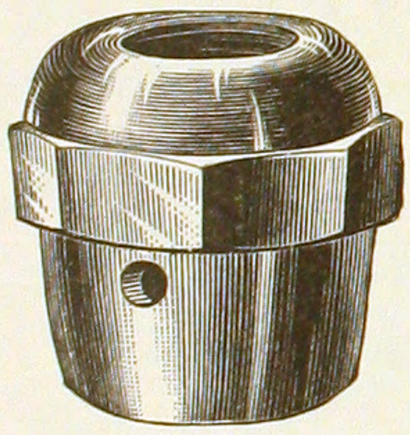
SOLID.



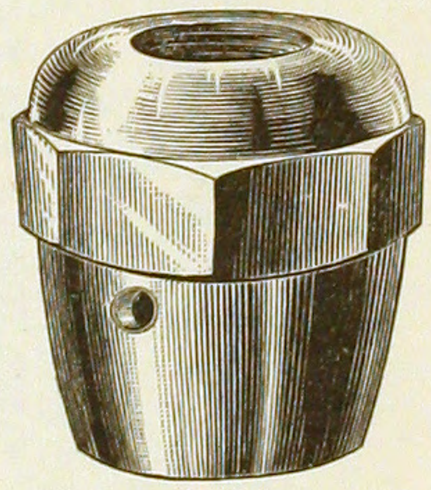
Style of Nos. 1 and 11.



Style of Nos. 2 and 12.



Style of Nos. 4 and 14.



Style of Nos. 5 and 15.

MALLEABLE IRON, TINNED.

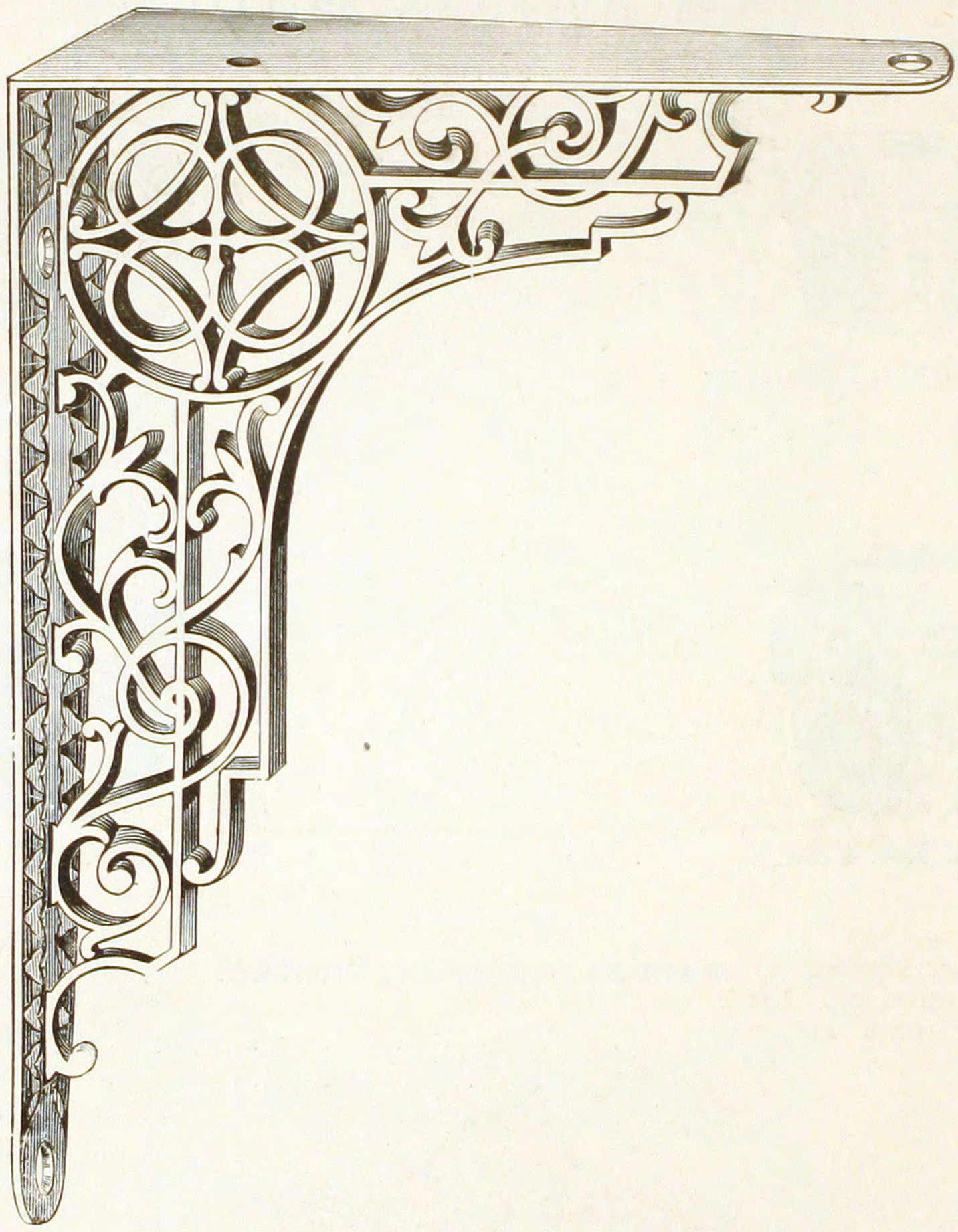
No. 1,	$4 50 per gross.
" 2,	5 20 "
" 3,	6 00 "
" 4,	8 80 "
" 5,	11 25 "

BRASS.

No. 11,	$7 50 per gross
" 12,	8 65 "
" 13,	10 00 "
" 14,	13 00 "
" 15,	18 75 "

½ gross in a box.

Fancy Shelf Brackets.



Dark Bronzed—Complete with Bronzed Screws.

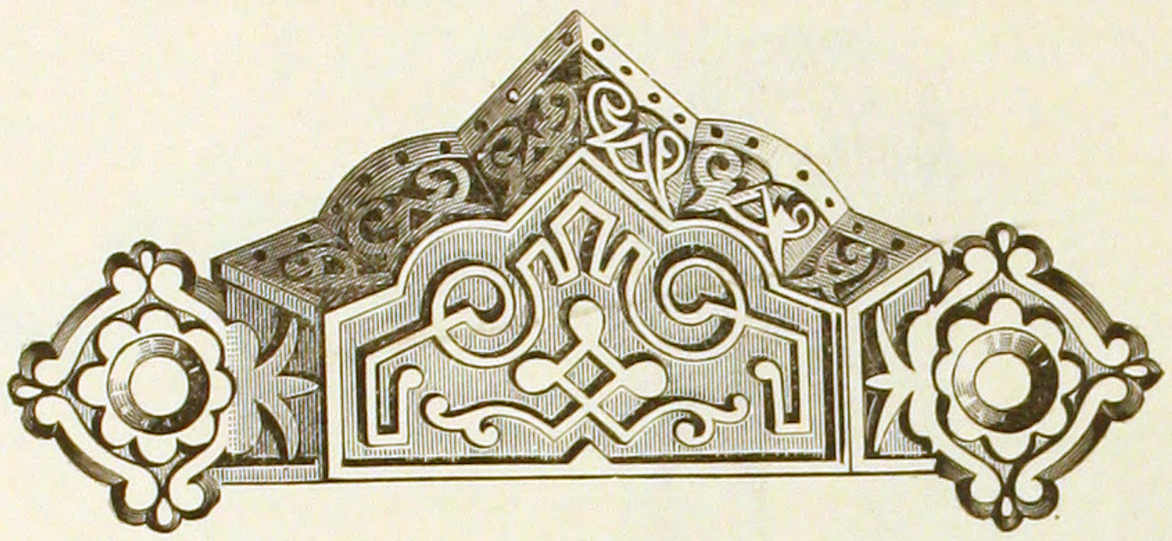
Nos.	155	160	165	170	175	180	185
	3x4	4x5	5x7	6x8	7x9	8x10	9x12 inches.
	$1 40	1 90	2 60	3 25	3 75	4 75	5 75 per dozen pairs.

Polished and Dark Bronzed, with Bronzed Screws.

Nos.	255	260	265	270	275	280	285
	3x4	4x5	5x7	6x8	7x9	8x10	9x12 inches.
	$1 75	2 25	3 00	3 75	4 50	5 50	6 50 per dozen pairs.

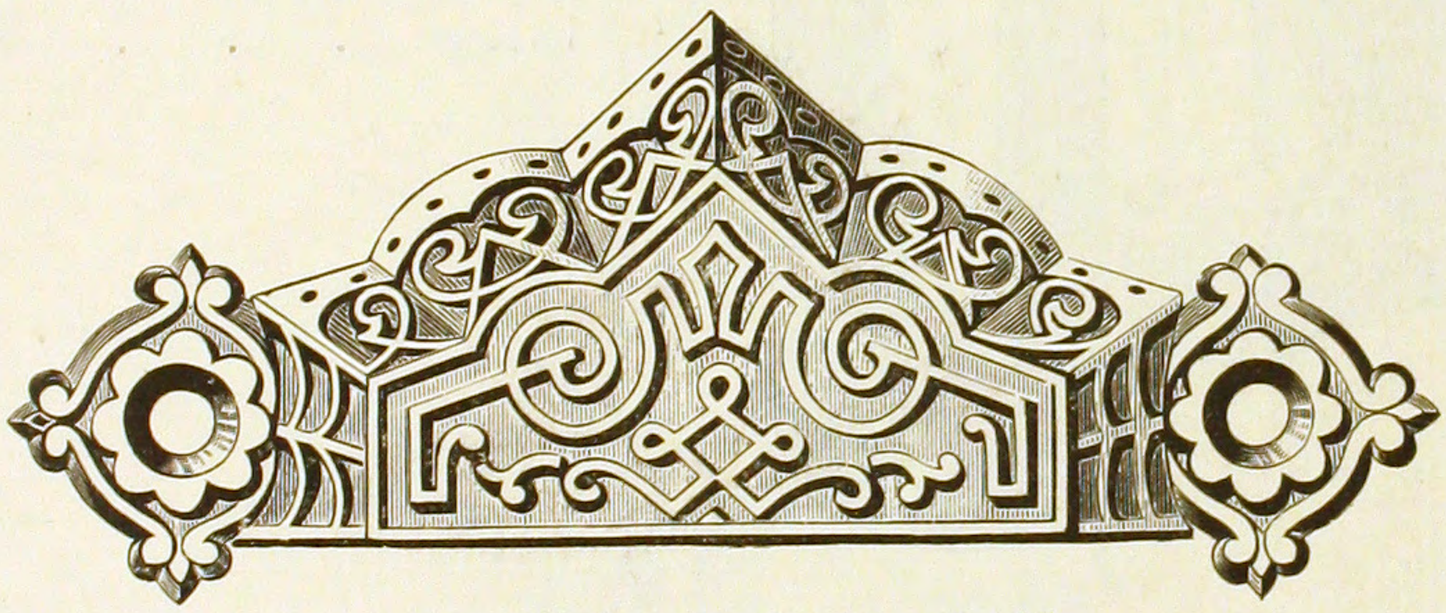
½ dozen pairs in a box.

DRAW PULLS.



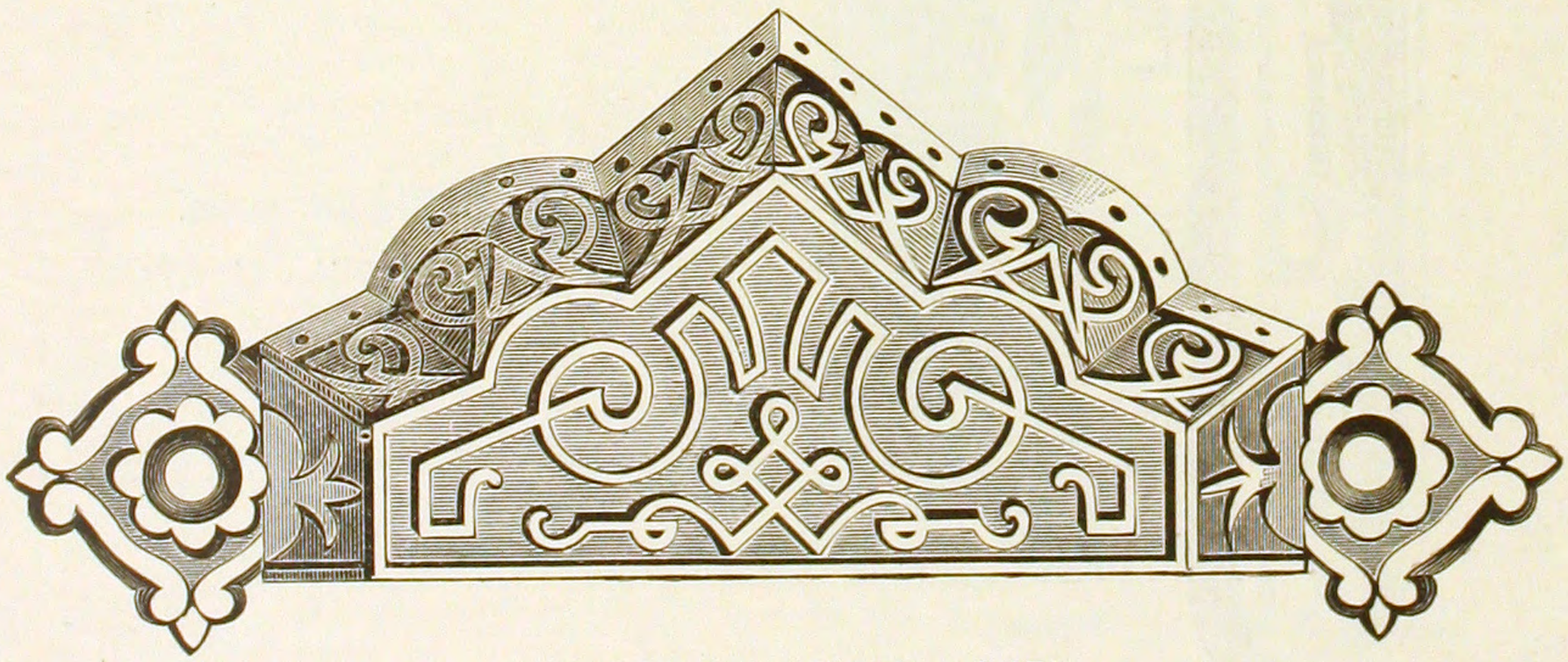
Style of Nos. 58, 59, 60 and 160.

No. 58, Japanned,	$3 50 per gross.
" 59, Dark Bronzed with Screws,	4 00 "
" 60, Polished and Dark Bronzed, with Screws,	5 50 "
" 160, Bronze Metal,	24 00 "



Style of Nos. 63, 64, 65 and 165.

No. 63, Japanned,	$4 00 per gross.
" 64, Dark Bronzed, with Screws,	4 50 "
" 65, Polished and Dark Bronzed, with Screws,	6 75 "
" 165, Bronze Metal,	30 00 "

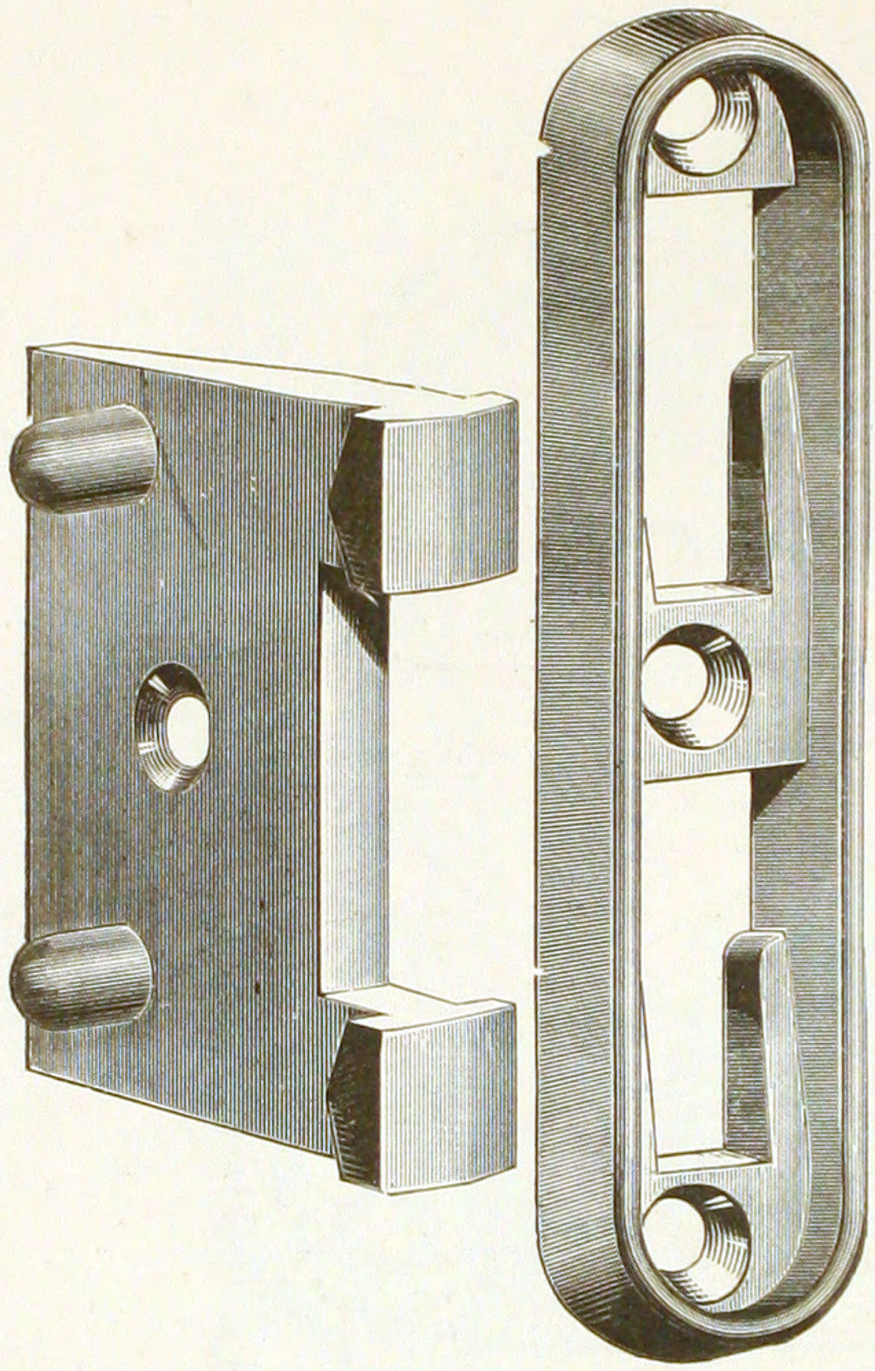


Style of Nos. 68, 69, 70 and 170.

No. 68, Japanned,	$4 50 per gross.
" 69, Dark Bronzed, with Screws,	5 00 "
" 70, Polished and Dark Bronzed, with Screws,	8 00 "
" 170, Bronze Metal,	40 00 "

¼ gross in a box.

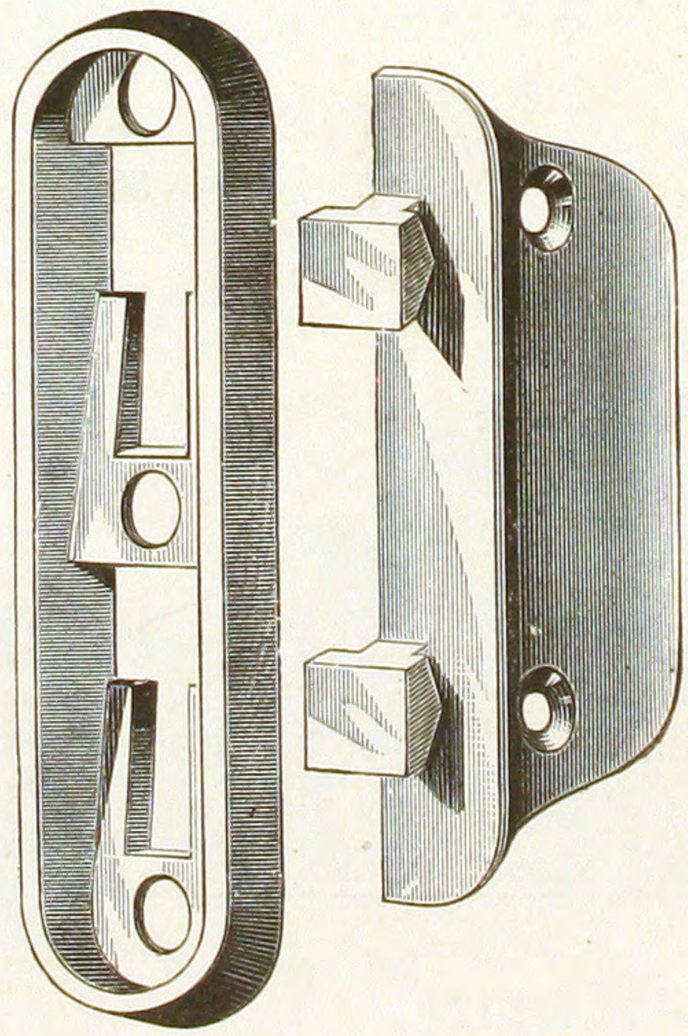
Bedstead Fasteners.



No. 20.

3½ lbs. to set.

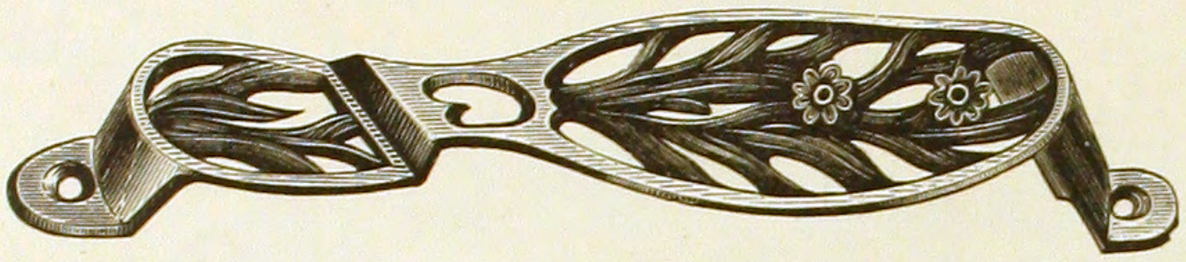
Papered, ...	$0 24 per set.
Loose, in Barrels, . . .	06 per lb.
" in Kegs, . . .	06¼ "



No. 3, 2⅛ lbs. to set.
" 5, 2½ " "

No. 3, Papered, ...	$0 18 per set.
" 5, "	20 "
Loose, in Barrels, ...	06 per lb.
" in Kegs, ...	06¼ "

FOOT RESTS.

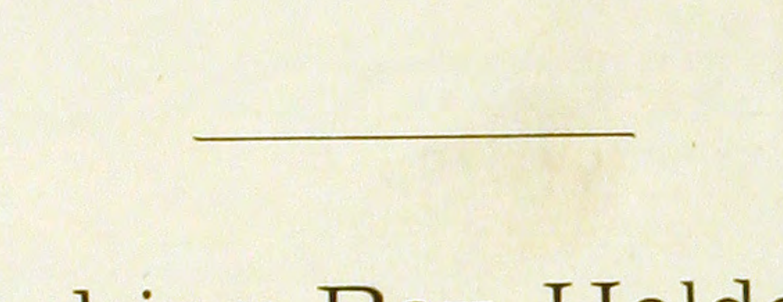


Japanned, ... $1 25 per dozen

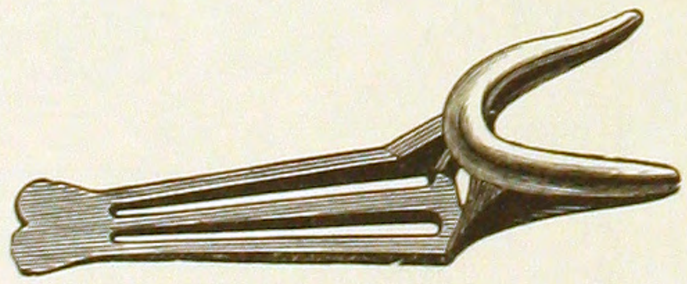
Blacking Box Holders.

Japanned, ... $1 25 per dozen.

BOOT JACKS.



Style of No. 1.

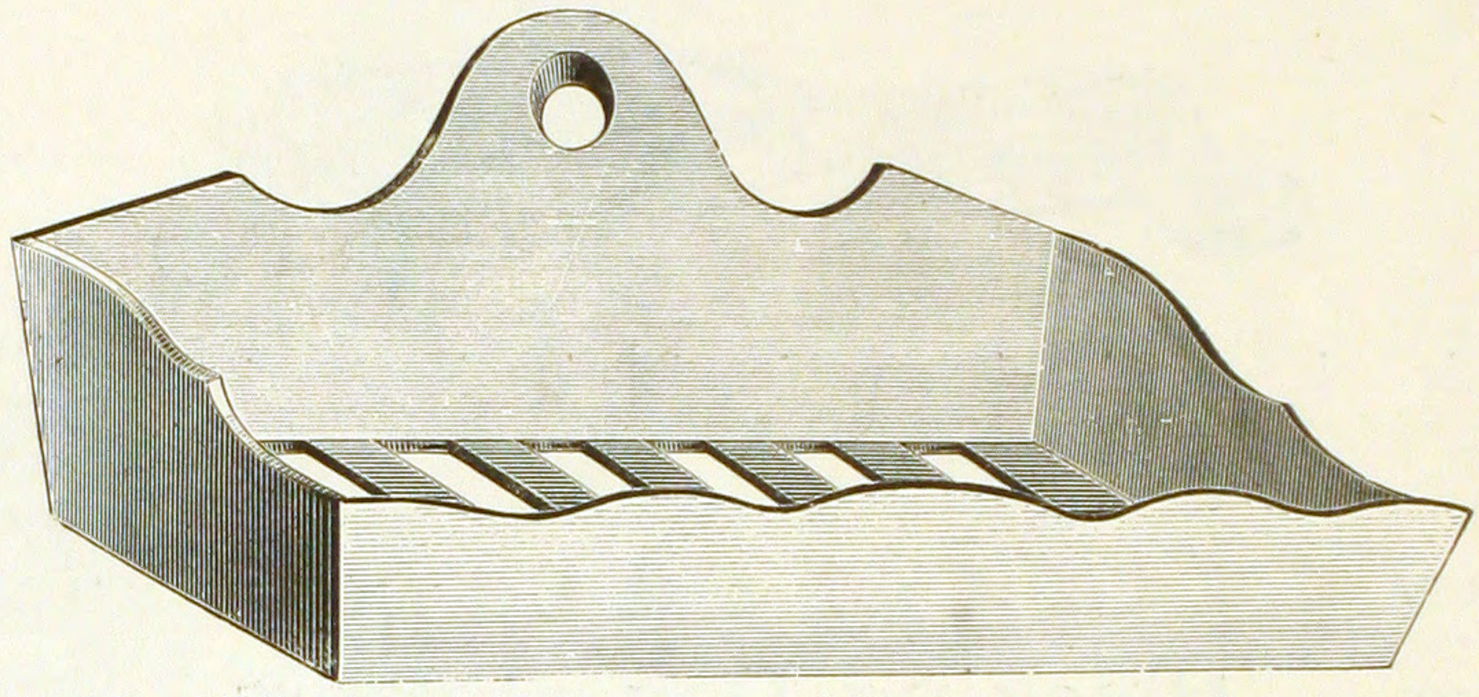


Style of No. 3.

	Japanned.	Bronzed.
No. 1, ...	$3 00	$3 75 per dozen.
" 3, ...	1 30 per dozen.	

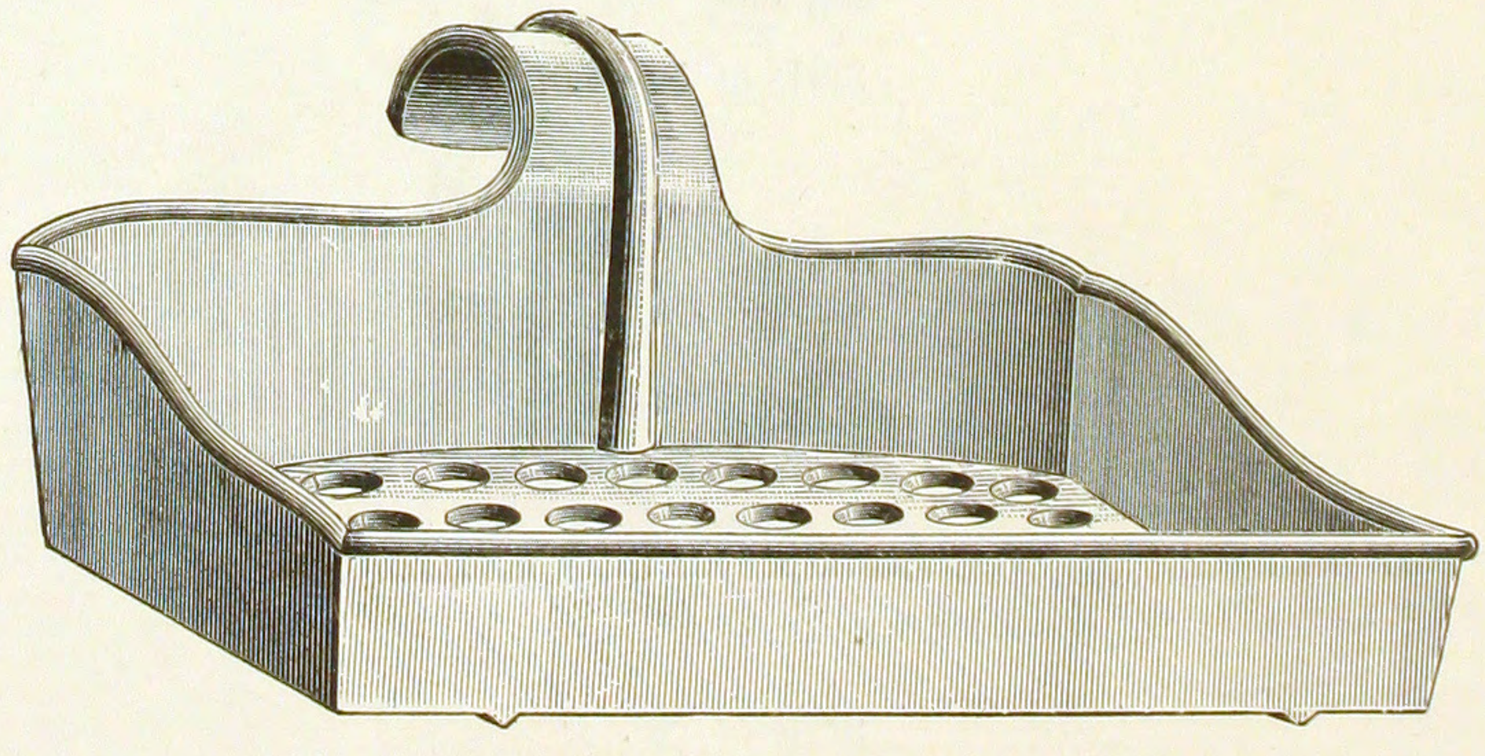
½ dozen in a package.

SOAP CUPS.



No. 1, Galvanized, ... $1 25 per dozen.

½ dozen in a package.

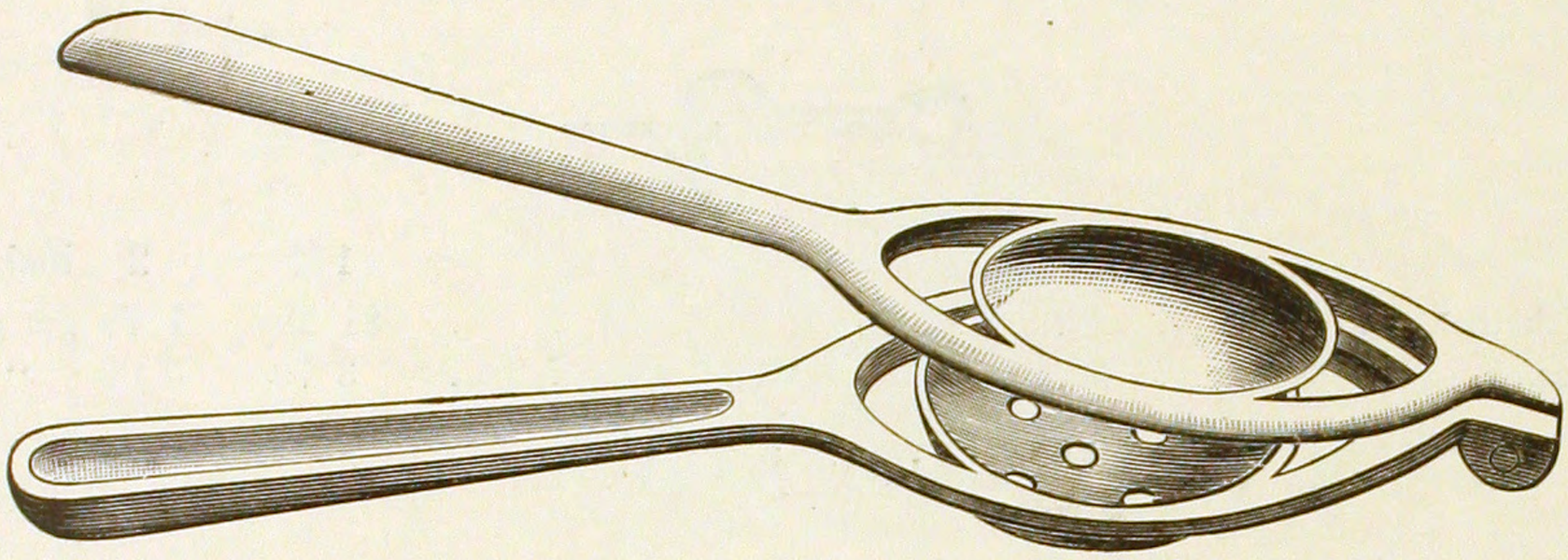


No. 2, Galvanized, ... $1 25 per dozen.

½ dozen in a package.

Townsend's Lemon Squeezers.

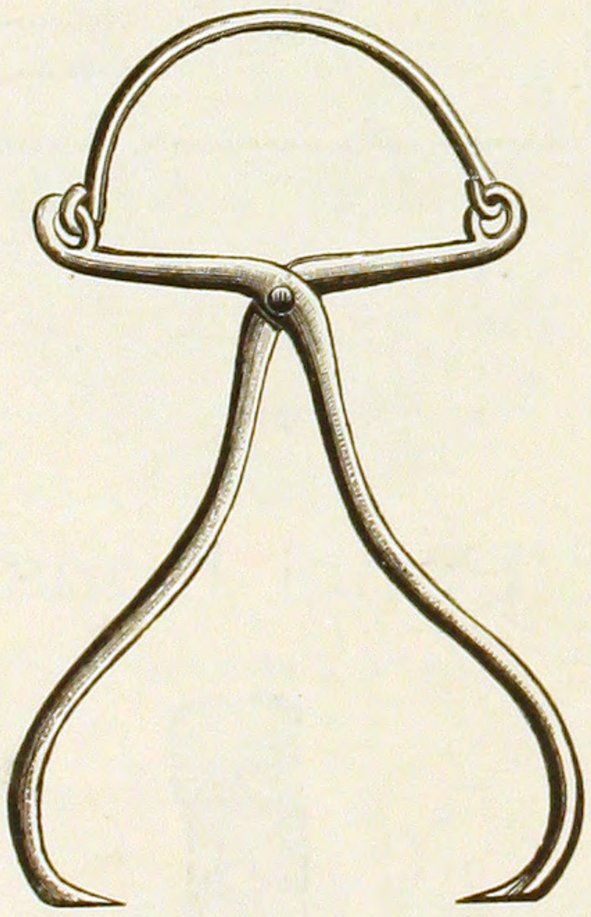
MALLEABLE IRON.



No. 3, Tinned, ... $6 00 per dozen.

½ dozen in a box.

Keystone Ice Tongs.



Tinned Malleable Iron, ... $6 00 per dozen.

1 dozen in a package. 6 dozen in a case.

Toilet Brackets.

FOR HANGING LOOKING GLASSES.

No. 1, Bronzed, Gray Iron, ... $1 25 per dozen.
" 2, " " with Malleable Iron backs, . . . 1 50 "

3 dozen in a box.

Oval Hooks and Eyes.

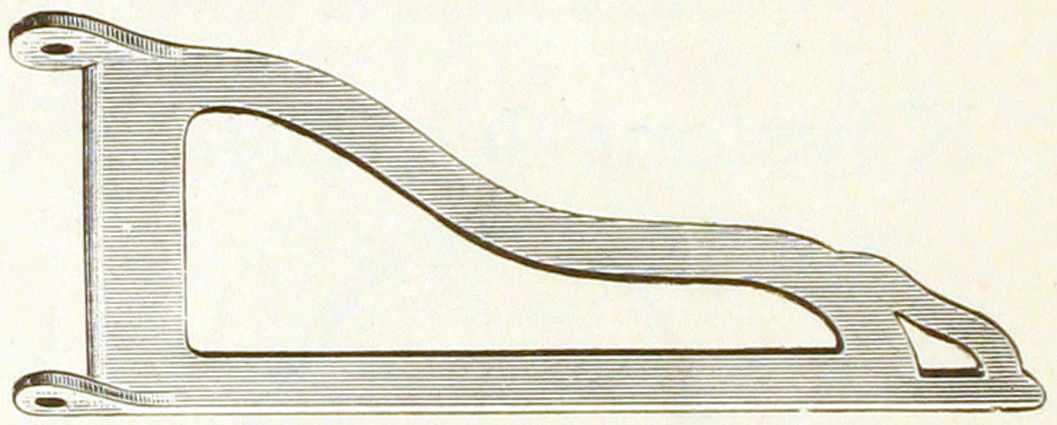
MALLEABLE IRON. POLISHED.



	1½	2	inches.
Polished,	$1 25	1 75	per gross.
Brass,	3 70	5 00	"

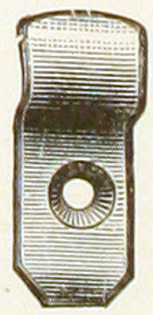
1 gross in a box.

Table Leaf Supports.



12 inches, ... $1 50 per dozen.

Panel Irons.



Packed in kegs, 10 cents per lb.

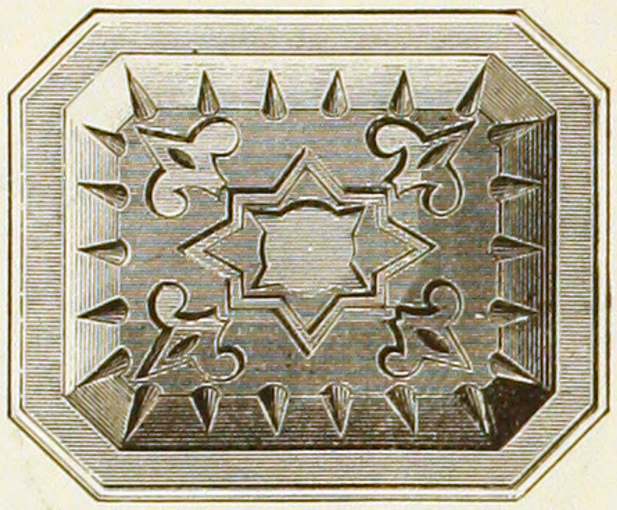
Shelf Pins.

FOR BOOK CASES.

No. 1, Coppered,	$1 00 per gross.
" 2, "	1 25 "

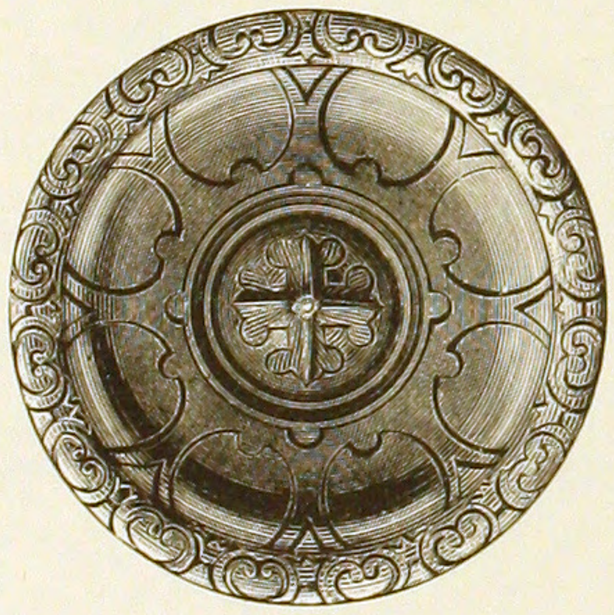
2 gross in a box.

Umbrella Stand Pans.



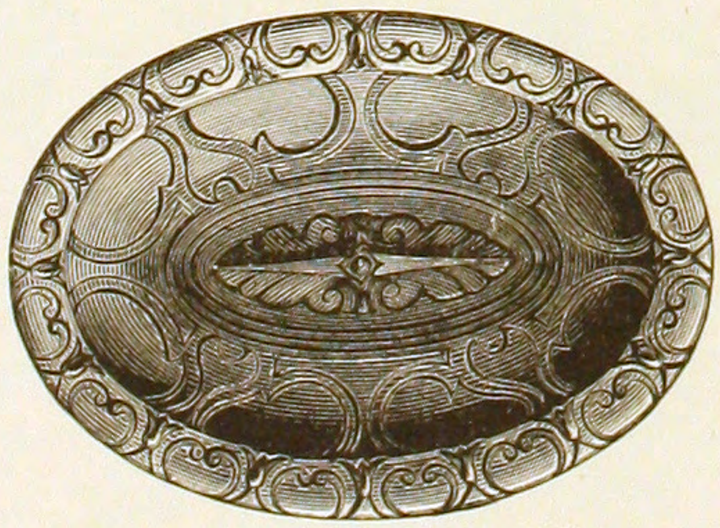
No. 1, Square, Bronzed, ... $4 00 per dozen.

½ dozen in a package.



No. 2, Round, Bronzed, ... $4 50 per dozen.

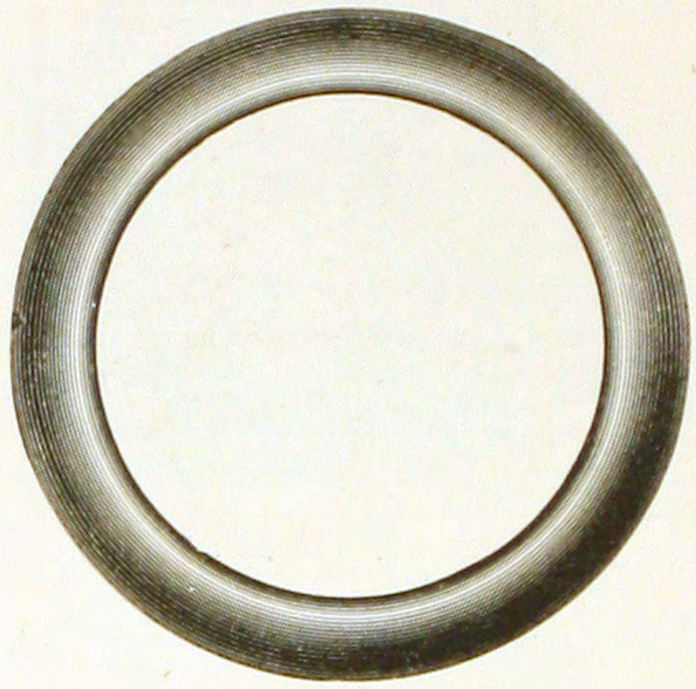
½ dozen in a package.



No. 3, Oval, Bronzed, ... $5 50 per dozen.

½ dozen in a package.

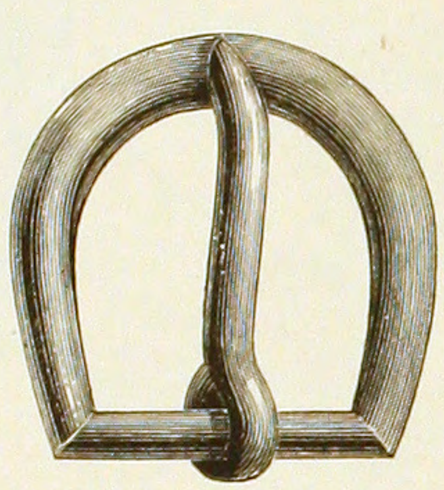
Malleable Iron Rings.



				Japanned.	Tinned.	
½	inch,	No. 10,		$0 44	$0 52	per gross.
⅝	"	" 8,		44	52	"
¾	"	" 8,		48	60	"
⅞	"	" 7,		60	75	"
⅞	"	" 8,		56	72	"
1	"	" 7,		72	92	"
1	"	" 8,		72	88	"
1⅛	"	" 8,		80	96	"
1¼	"	" 4,		1 42	1 72	"
1¼	"	" 6,		94	1 15	"
1¼	"	" 8,		86	1 05	"
1½	"	" 1,		2 16	2 64	"
1½	"	" 2,		1 90	2 33	"
1½	"	" 3,		1 66	2 03	"
1½	"	" 4,		1 56	1 92	"
1½	"	" 6,		1 26	1 54	"
1¾	"	" 1,		2 80	3 20	"
1¾	"	" 2,		2 16	2 64	"
1¾	"	" 3,		2 00	2 50	"
1¾	"	" 4,		1 80	2 22	"
2	"	" 0,		4 23	5 17	"
2	"	" 1,		3 25	4 00	"
2	"	" 2,		2 75	3 25	"
2	"	" 3,		2 40	3 00	"
2¼	"	" 0,		4 70	5 20	"
2¼	"	" 1,		3 75	4 25	"
2½	"	" 0,		5 18	6 10	"
2½	"	" 1,		4 50	5 00	"
3	"	" 0,		5 86	6 90	"
3	"	" 1,		5 00	6 00	"
3½	"	" 0,		6 80	8 00	"
3½	"	" 1,		5 60	6 60	"
4	"	" 0,		7 90	9 30	"
4	"	" 1,		6 80	8 00	"
4½	"	" 0,		8 92	10 50	"

1¼ inch and smaller, 1 gross in a box. Larger sizes, ½ gross.

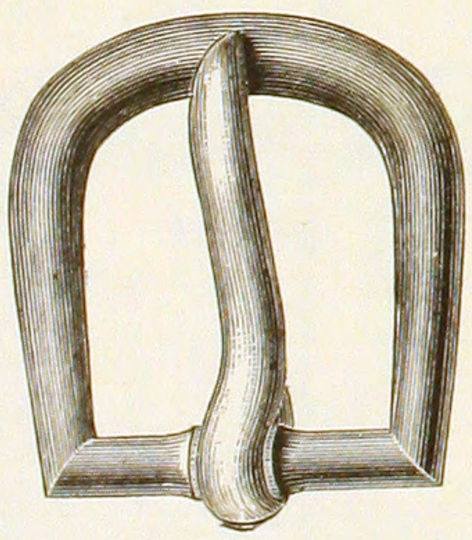
No. 21. Horse Shoe Harness Buckles.

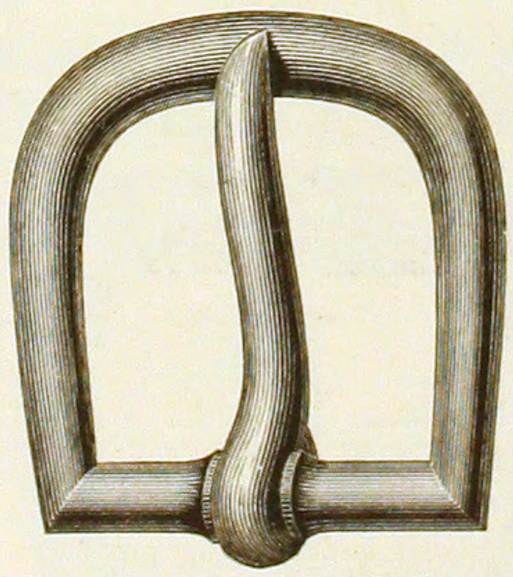


	½	⅝	¾	⅞ inch.
Japanned,	$0 40	45	60	70 per gross.
X C Plate,	50	55	70	85 "

2 gross in a box.

No. 22. Horse Shoe Harness Buckles.

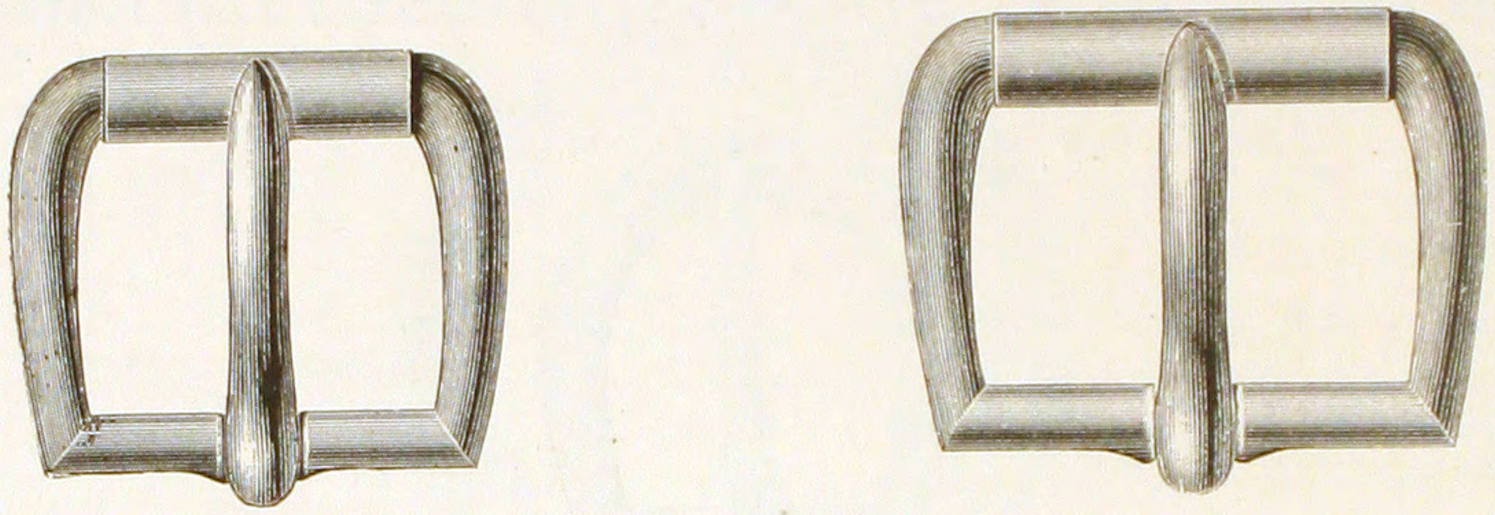




	⅜	½	⅝	¾	⅞	1	1⅛	1¼	1½ inch.
Japanned,	$0 50	50	60	76	90	1 14	1 44	1 74	2 36 per gross.
X C Plate,	70	70	74	96	1 14	1 36	1 80	2 20	2 72 "
Tip Tongue,	70	70	74	96	1 14	1 36	1 80	2 20	2 72 "

1¼ inch and smaller, 1 gross in a box. Larger sizes, ½ gross.

No. 250 x Barrel Roller Harness Buckles.

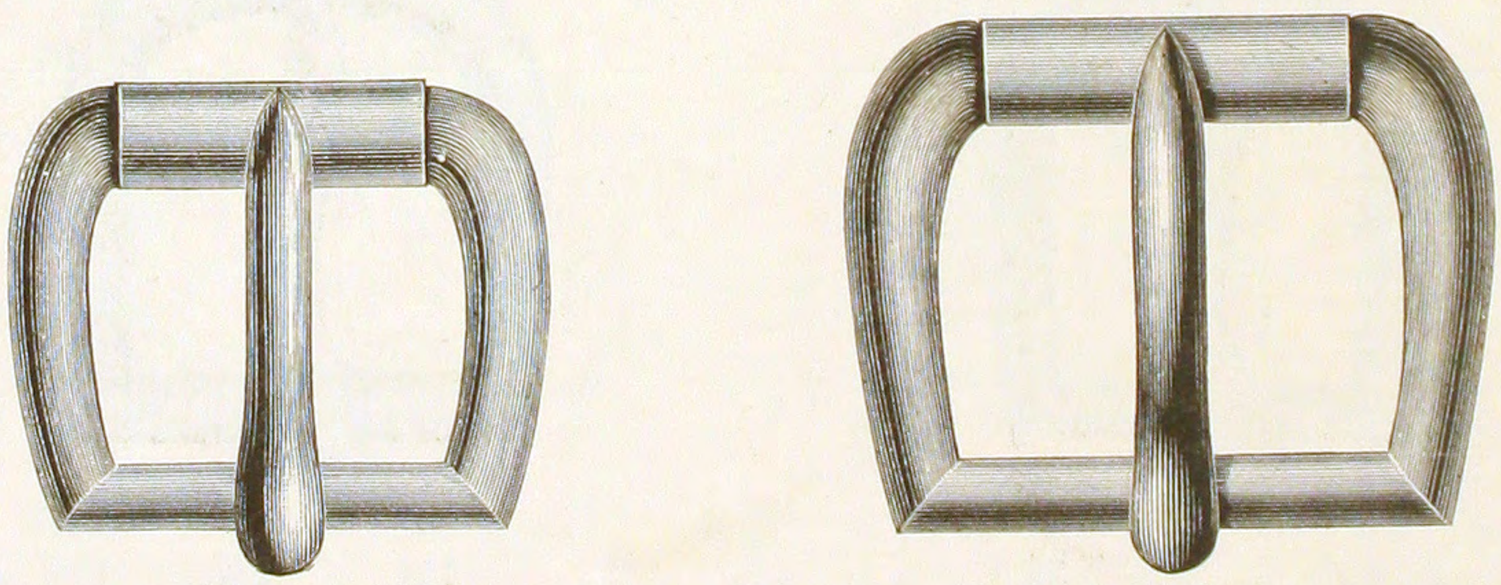


	½	⅝	¾	⅞	1	1⅛	1¼	1½	1¾	2	inch.
Japanned,	$0 72	72	84	1 02	1 16	1 30	1 64	2 02	2 74	3 00	per gross.
X C Plate,	86	92	1 08	1 20	1 44	1 56	2 04	2 64	3 00	3 46	"
Tip Tongue,	86	92	1 08	1 20	1 44	1 56	2 04	2 64	3 00	3 46	"
X C Tongue & Roller,	86	92	1 08	1 20	1 44	1 56	2 04	2 64	3 00	3 46	"

1⅛ inch and smaller, 1 gross in a box. Larger sizes ½ gross.

No. 252 xx Barrel Roller Harness Buckles.

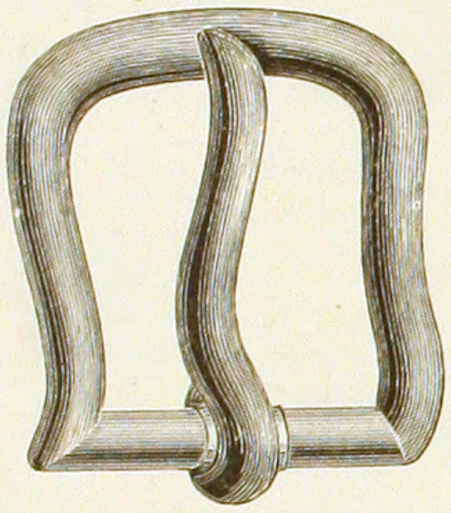
EXTRA HEAVY.

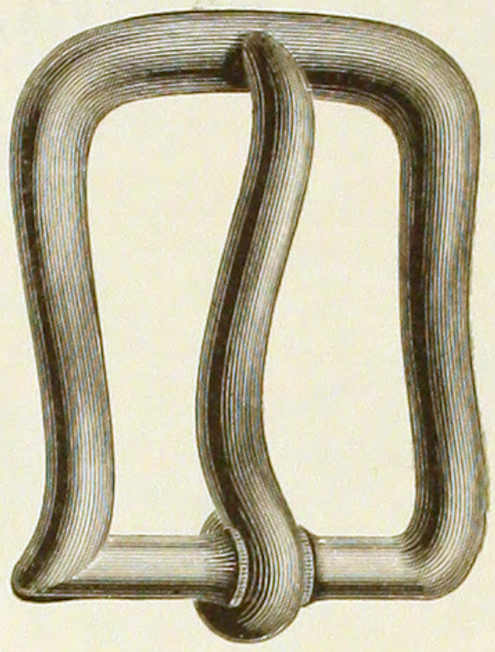


	¾	⅞	1	1⅛	1¼	1½	1¾	2	inch.
Japanned,	$1 76	1 86	2 22	2 52	2 86	3 22	4 26	4 96	per gross.
X C Plate,	2 20	2 30	2 76	3 10	3 44	3 90	5 32	6 08	"
Tip Tongue,	2 20	2 30	2 76	3 10	3 46	3 90	5 32	6 08	"

1⅛ inch and smaller, 1 gross in a box. Larger sizes ½ gross.

No. 212 Wire Bent Heel Harness Buckles.

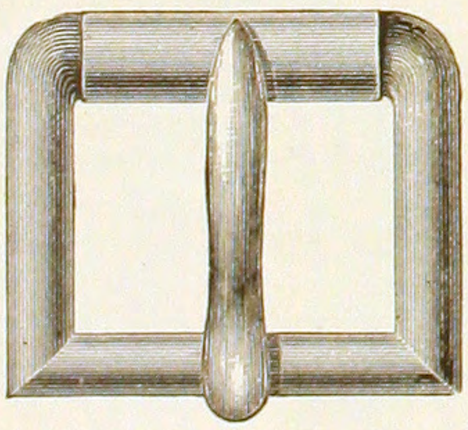


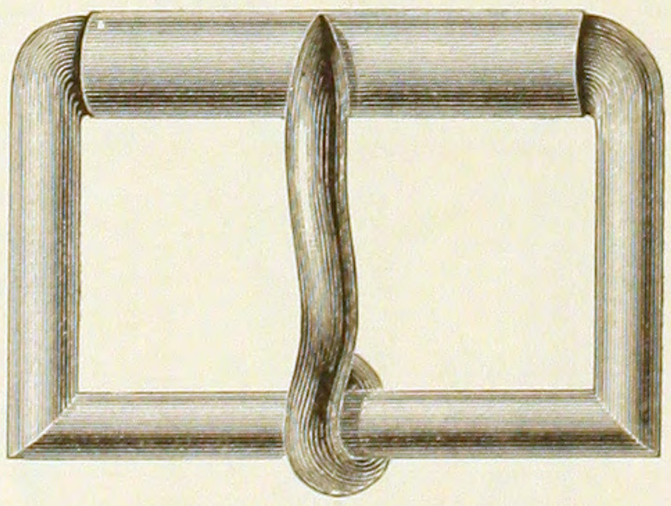


	3/8	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	1 1/2	inch.
Japanned, . .	$0 84	84	90	1 14	1 32	1 68	2 26	2 52	3 60	per gross.
X C Plate,. .	90	90	96	1 20	1 44	1 88	2 40	2 76	3 96	"
Tip Tongues, .	90	90	96	1 20	1 44	1 88	2 40	2 76	3 96	"
Oroide or Brass Tongues,	1 20	1 20	1 26	1 56	1 92	2 52	3 12	3 98	5 16	"

1 1/8 inch and smaller, 1 gross in a box. Larger sizes, 1/2 gross.

No. 275. Square Malleable Roller Buckles.





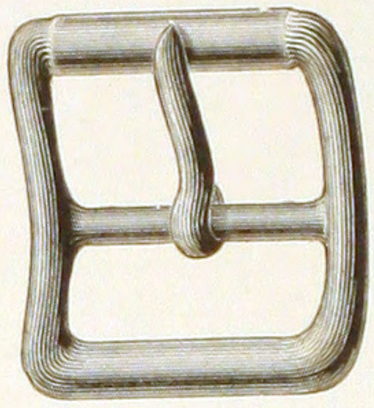
	1/2	5/8	3/4	7/8	1	1 1/8	1 1/4	inch.
Japanned and Polished,	$0 72	72	84	1 00	1 16	1 30	1 64	per gross.
X C Plate, . . .	86	92	1 08	1 20	1 44	1 56	2 04	"

	1 1/2	1 3/4	2	2 1/4	2 1/2	2 3/4	3	inch.
Japanned and polished,	$2 02	2 74	3 00	3 44	3 96	4 80	5 52	per gross.
X C Plate, . . .	2 64	3 00	3 46	4 02	4 50	5 28	5 84	"

1 1/8 inch and smaller, 1 gross in a box. Larger sizes, 1/2 gross.

No. 2414. Skate Buckles.

IMITATION ROLLERS.

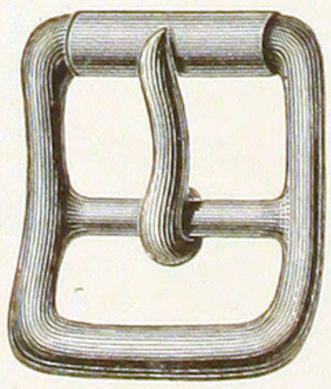


	3/8	1/2	5/8	3/4	7/8	1 inch.	
Japanned, . . .	$0 82	82	98	1 08	1 30	1 62	per gross.
X C Plate, . . .	1 08	1 08	1 20	1 30	1 52	1 84	"

2 gross in a box.

No. 2418. Shoe Buckles.

WITH ROLLERS.

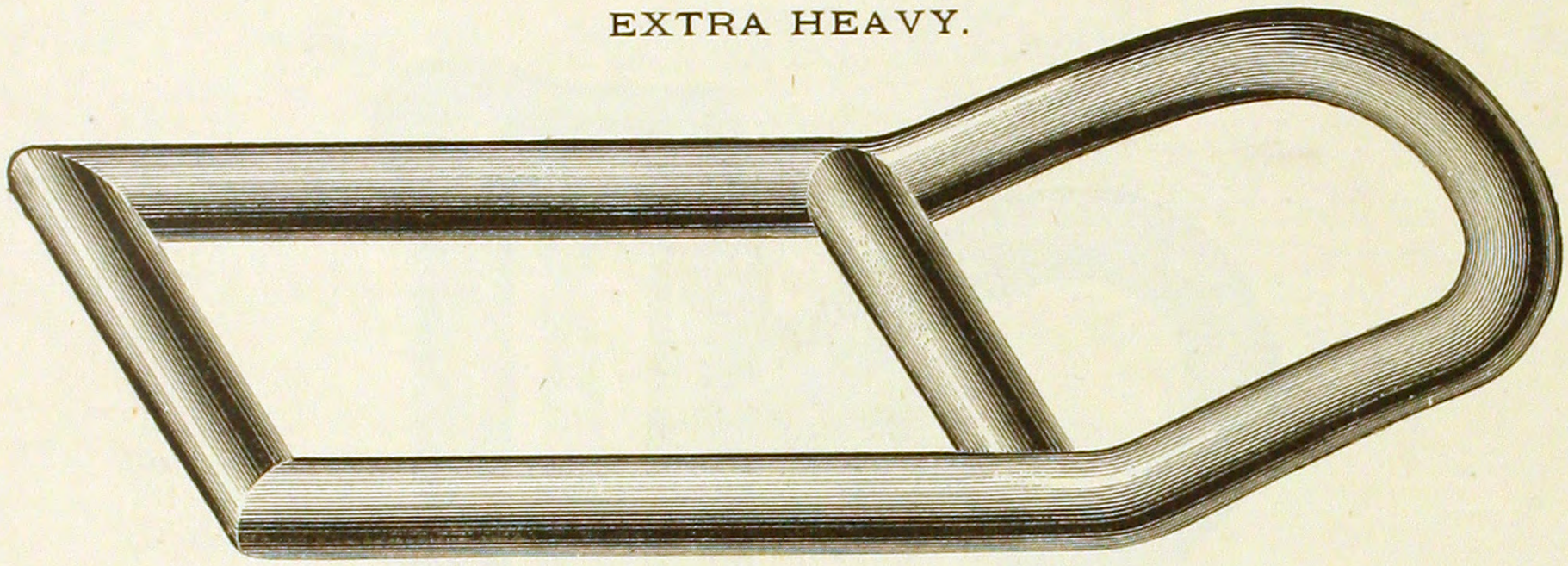


	3/8	1/2	5/8	3/4	7/8	1 inch.	
Japanned, . . .	$0 82	82	98	1 08	1 30	1 62	per gross.
X C Plate, . . .	1 08	1 08	1 20	1 30	1 52	1 84	"

2 gross in a box.

No. 52. Breeching Loops.

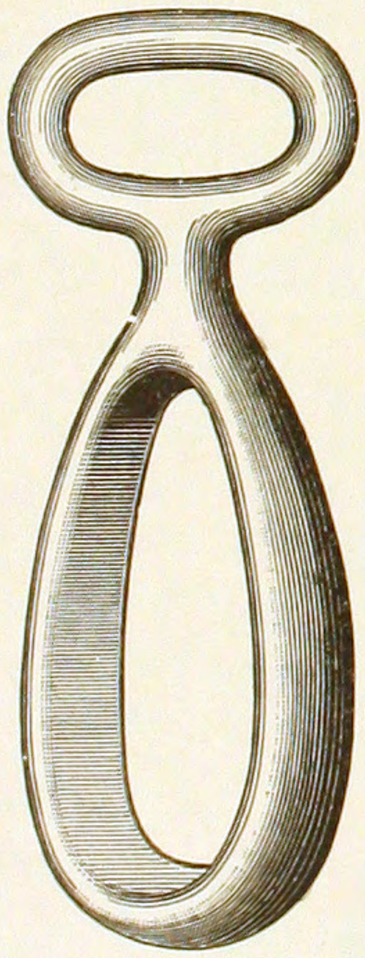
EXTRA HEAVY.



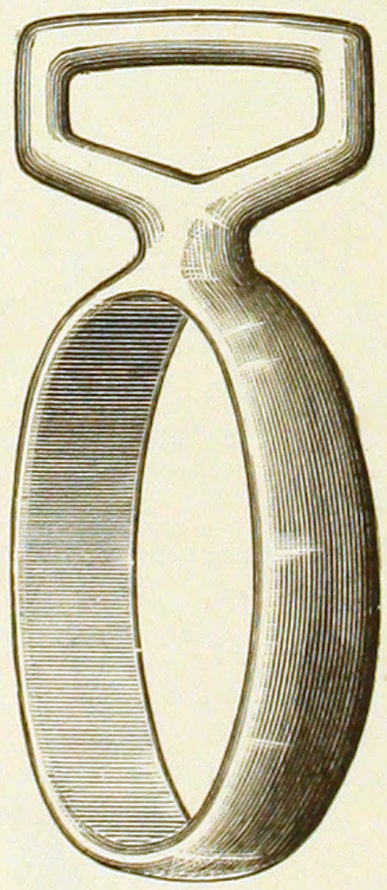
	1½	1¾	2	inch.
Japanned,	$1 20	1 30	1 60	per dozen.
X C Plate,	1 60	1 70	2 00	"

1 dozen in a box.

Rein Swivels.



Nos. 8 and 18.



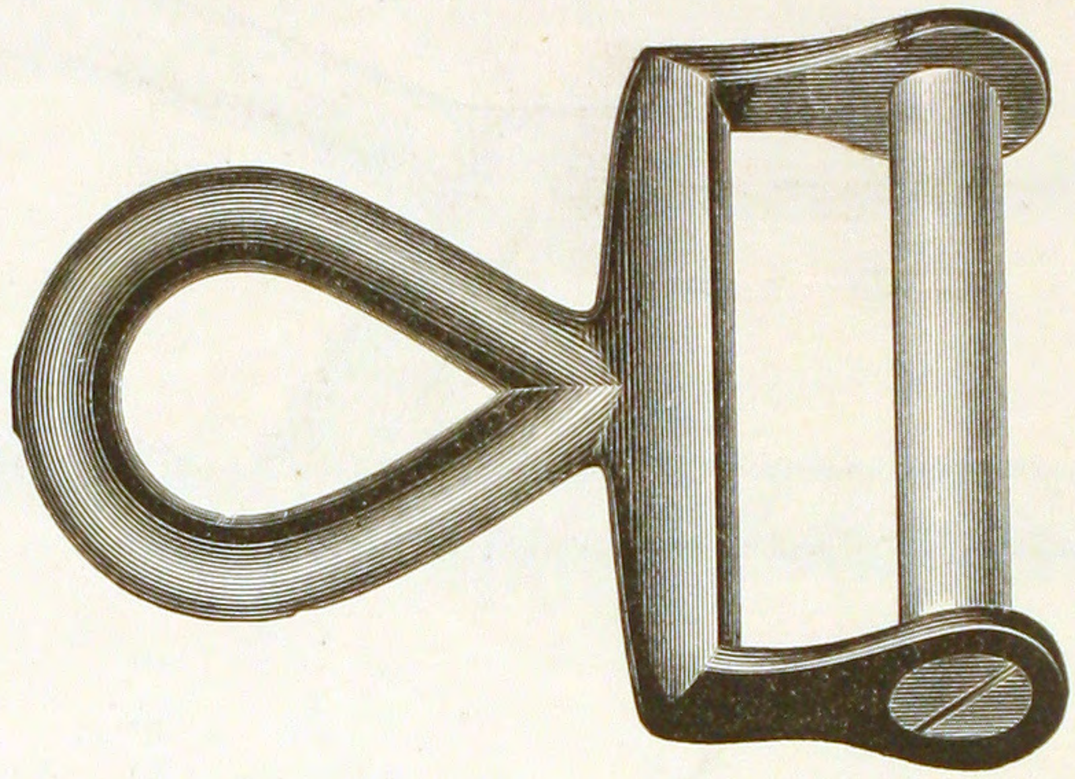
Nos. 12 and 22.

	Nos. 8	12	
Japanned Gray Iron,	$1 44	1 52	per gross.
	Nos. 18	22	
Japanned Malleable Iron,	$1 68	1 80	per gross.
X C Plate " "	2 18	2 30	"

½ gross in a box.

No 67. Malleable Cock-Eyes.

WITH SCREWS.

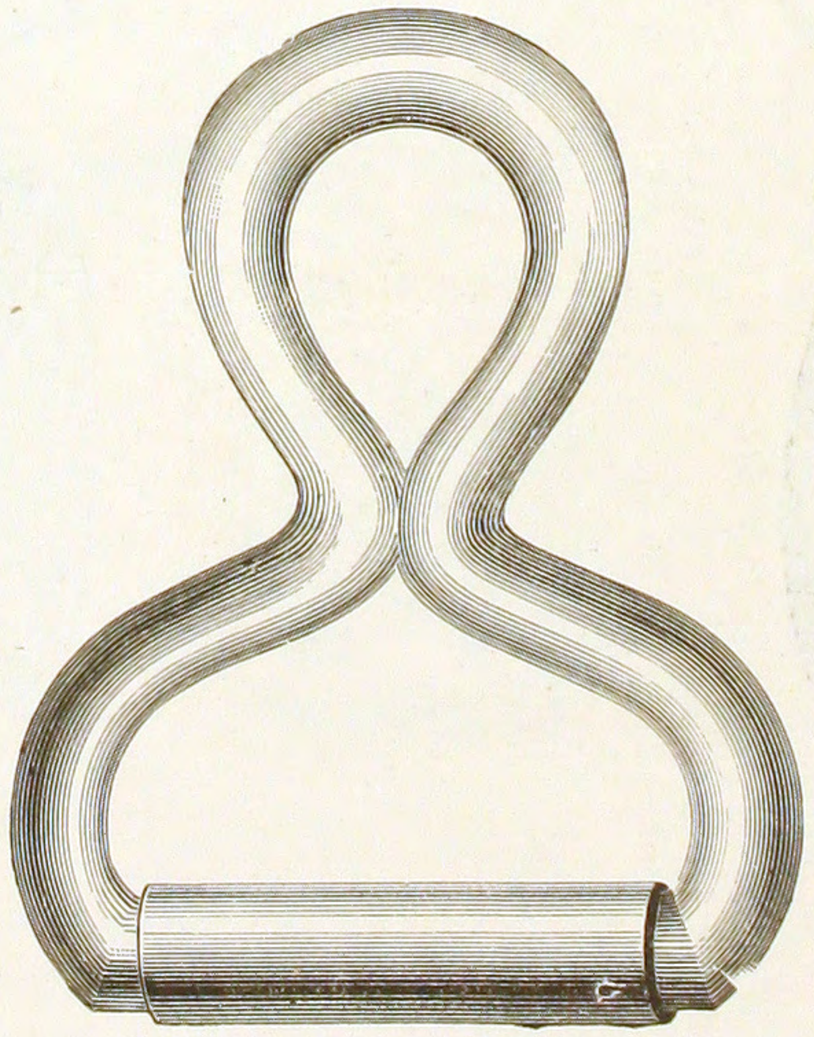


	1¼	1½	1¾	2	2¼	2½ inch.
Japanned,	$0 44	60	68	86	1 04	1 20 per dozen.
X C Plate,	54	72	80	1 04	1 20	1 34 "

2 dozen in a box.

No. 68. Triangular Cock-Eyes.

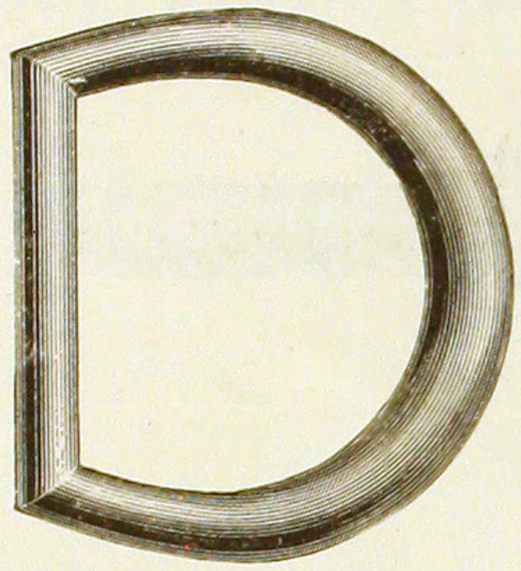
WITH ROLLERS.



	1¼	1½	1¾	2 inch.
Japanned, ...	$0 32	38	44	68 per dozen.
X C Plate, ...	38	48	54	78 "

2 dozen in a box.

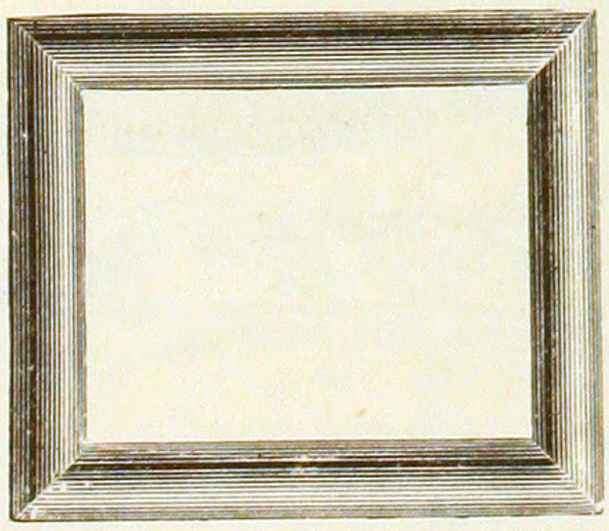
No. 75. Malleable Dee's.



	⅞	1	1⅛	1¼	1½	1¾	2	inch.
Japanned, . . .	$1 00	1 54	1 92	2 40	3 36	4 56	6 04	per gross.
X C Plate, . . .	1 30	1 82	2 30	3 16	4 32	5 76	7 20	"

1¼ inch and smaller, 1 gross in a box. Larger sizes, ½ gross.

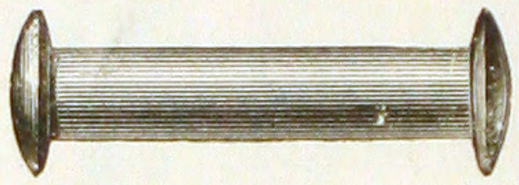
Halter Squares.



	No. 1. ⅞x1	1x1¼	No 2. 1¼x1½	1¼x1½	1½x1¾	1¾x2½	inch.
Japanned . .	$0 90	1 75	2 30	2 47	3 10	4 00	per gross.
X C Plate, . .	1 23	2 53	2 70	3 16	4 00	5 50	"

½ gross in a box.

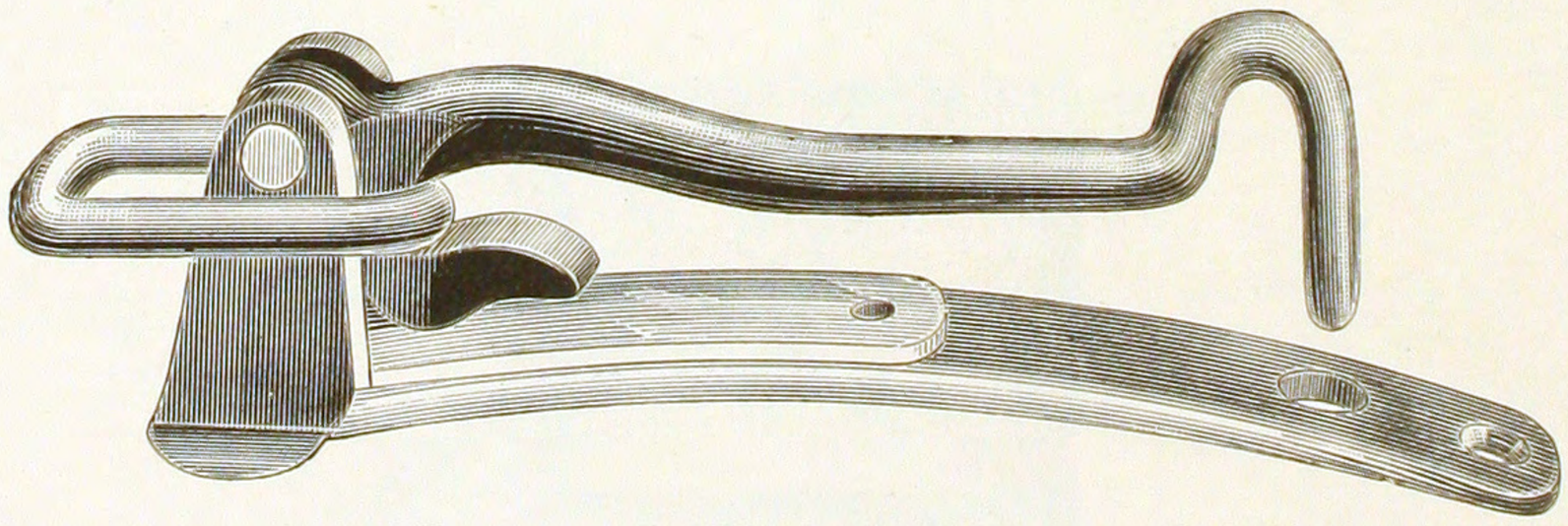
No. 80. Halter Bolts.



	⅞	1	1¼	1½	inch.
Japanned, ...	$0 54	82	1 00	1 16	per gross.
X C Plate, ...	60	1 06	1 30	1 44	"

1 gross in a box.

Hame Fasteners.



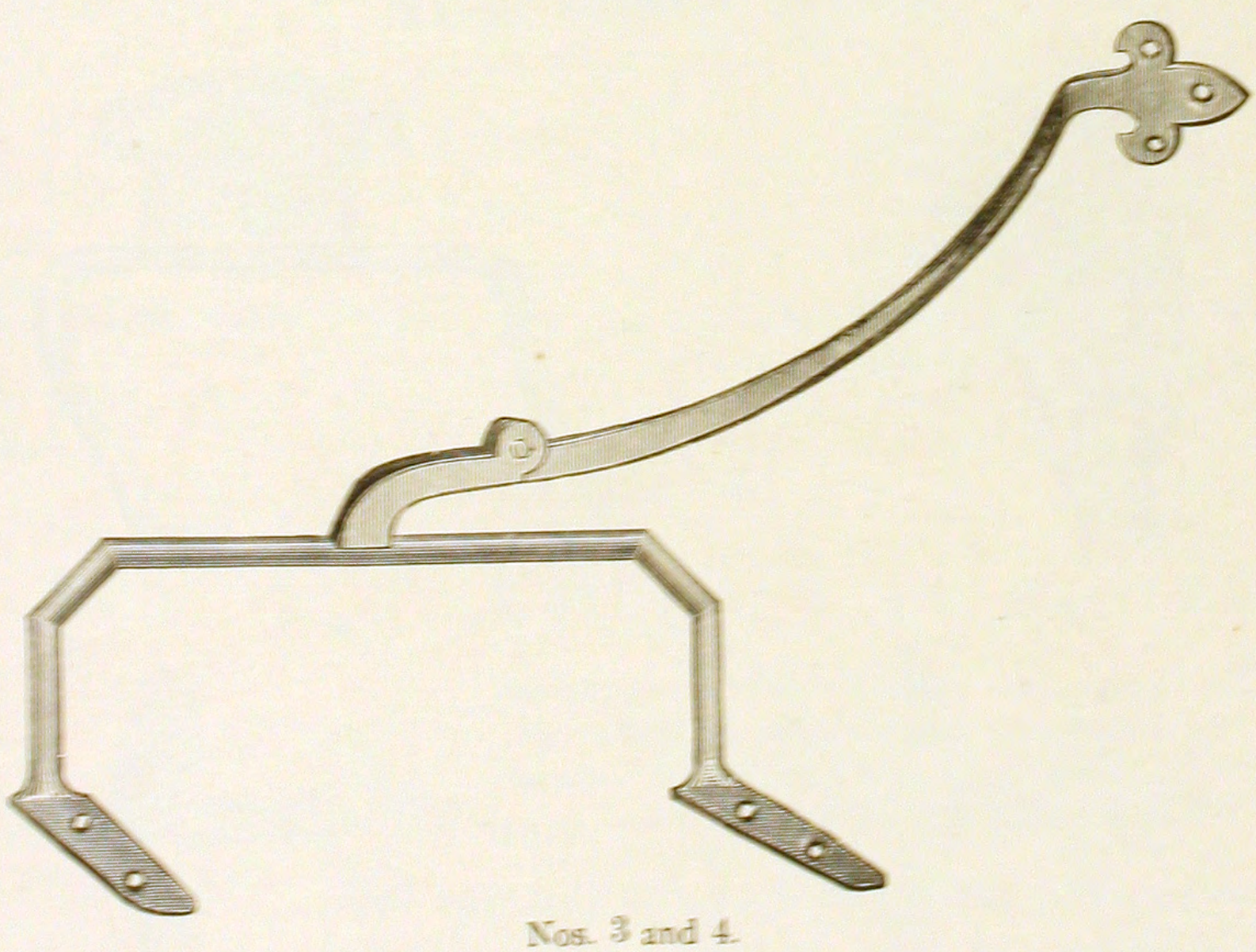
No. 1, ...	$1 85 per dozen.
" 2, ...	2 00 "

1 dozen in a box.

Lazy Back Irons.



Nos. 1, 2 and 2½.



Nos. 3 and 4.

No. 1,	½	inch joint,	13	inch high,	- - - - -	$9 00	per dozen pairs.
" 2,	⅝	"	13½	" "	- - - - -	10 50	" "
" 2½,	⅝	"	15	" "	- - - - -	11 50	" "
" 3,	⅝	"	14	" "	- - - - -	13 50	" "
" 4,	⅝	"	14	" "	- - - - -	13 50	" "

No. 4 is the same as No. 3, except the side rail flares 1½ inches, giving 3 inches more seat room.

Willits' Improved Jump Seat Irons.

(Patented August 28, 1883.)

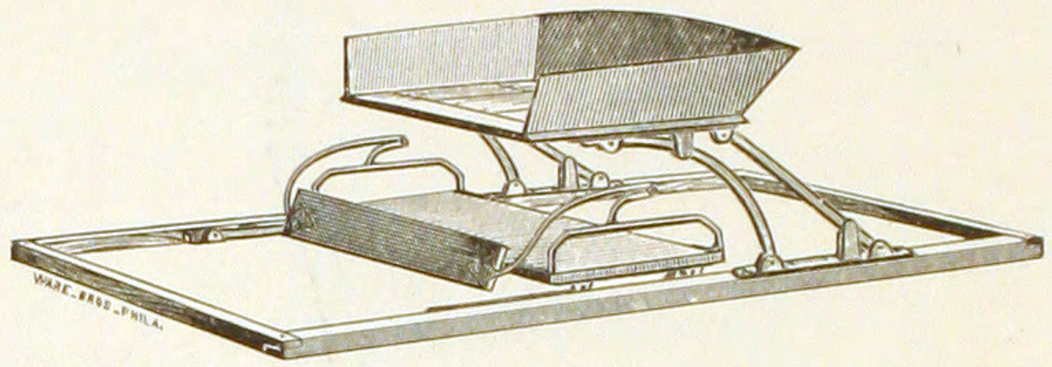


Fig. 1.

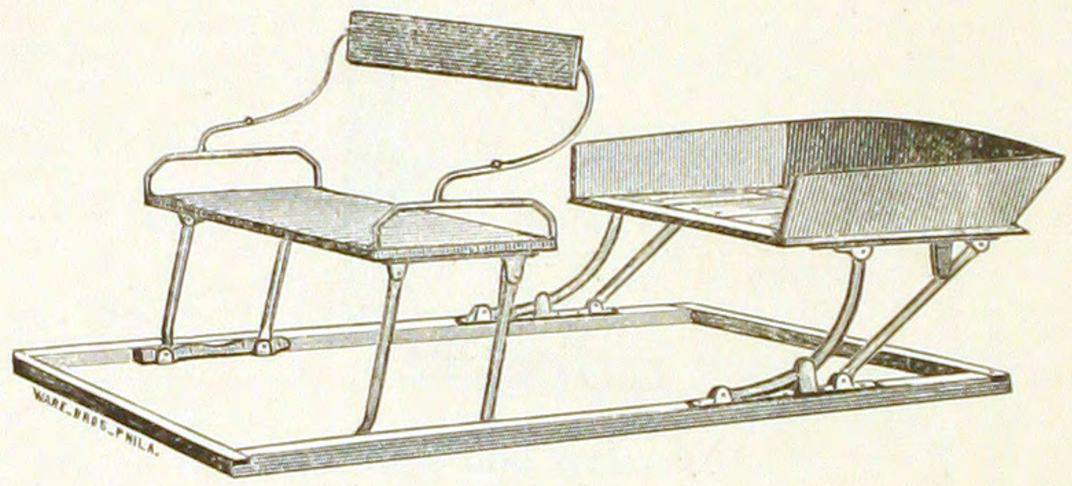


Fig. 2.

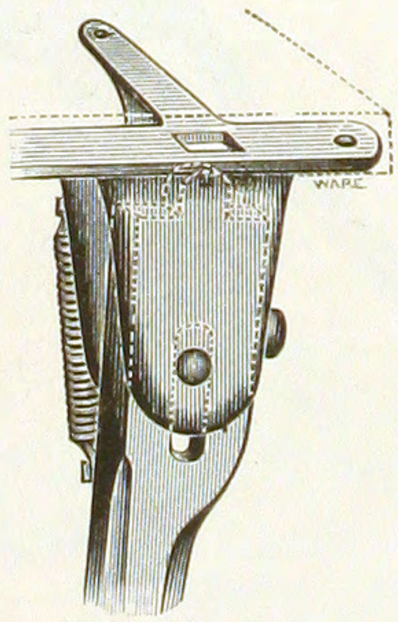


Fig. 3.

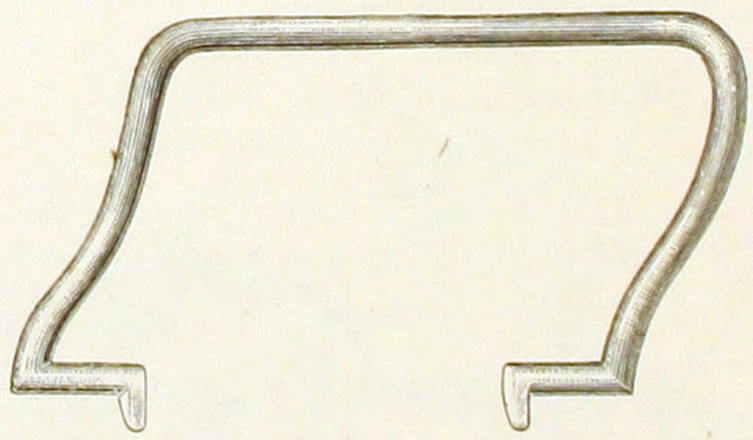


Fig. 4.

Fig. 1 represents seats arranged for two persons.
" 2 represents seats arranged for four persons.
" 3 represents lock on back leg of front seat.
" 4 represents side rail to be used with straight lazy backs (Nos. 1, 2 or 2½).

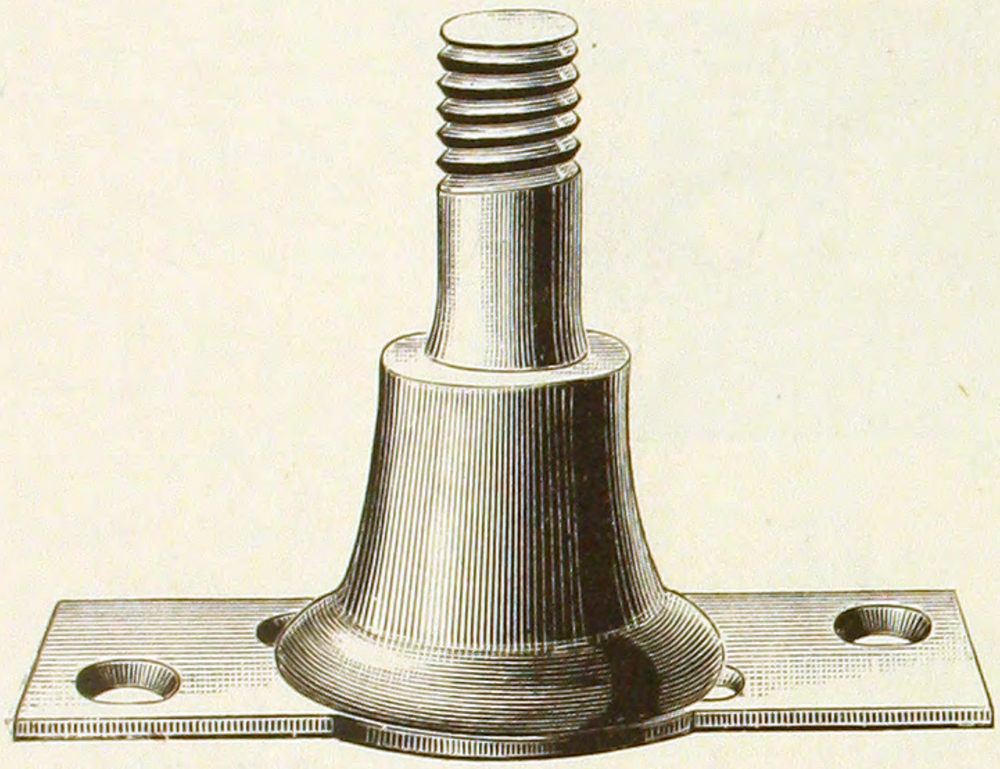
The following are the distinctive features of our Jump Seat Irons:

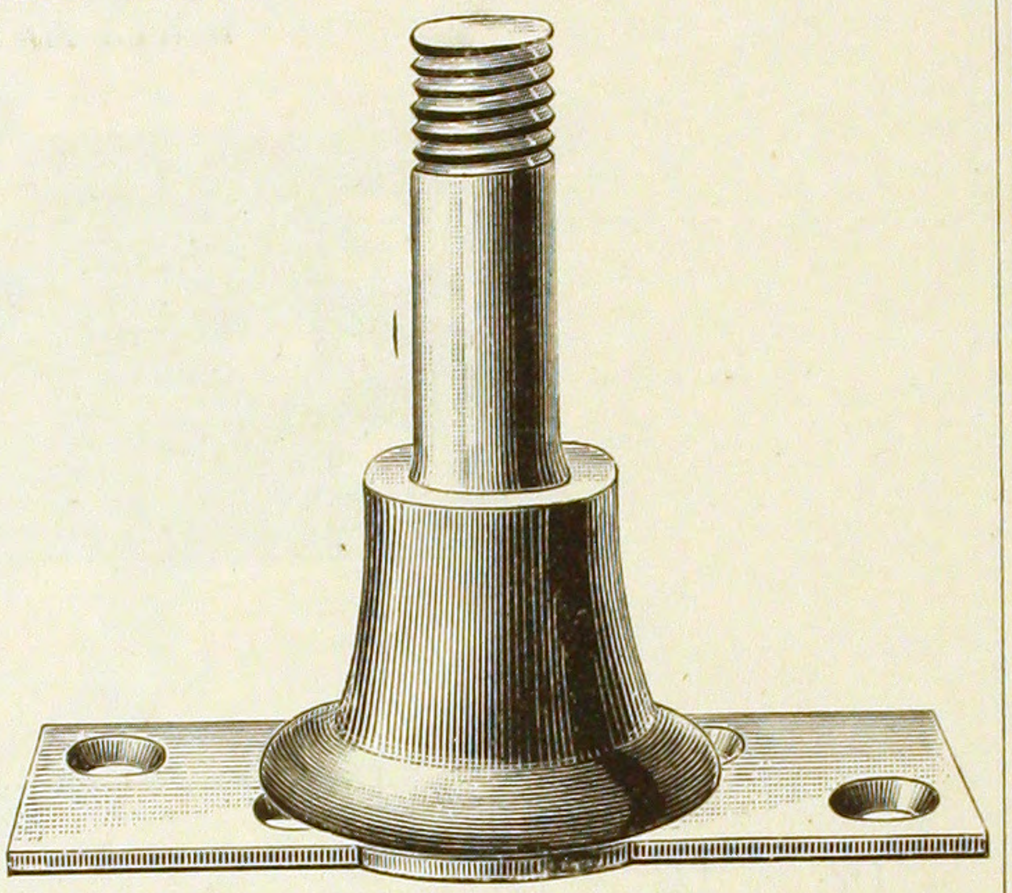
1st. Simplicity. 2d. Front and back seat can be made of the same length. 3d. Front seat falls flat and rests on bottom of carriage, when thrown either back or forward. 4th. Seats easily changed from one side of carriage. 5th. Secure from either forward, backward or lateral motion. 6th. Well fitted, and joints work smoothly.

Jump Seat Irons, with side rail, ... $5 50 per set.
" " without " . . . . . 5 00 "

THOMAS' TOP PROPS.

MALLEABLE IRON.



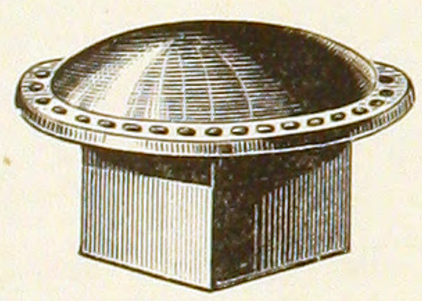


Full size Cuts, 7-16 inch.

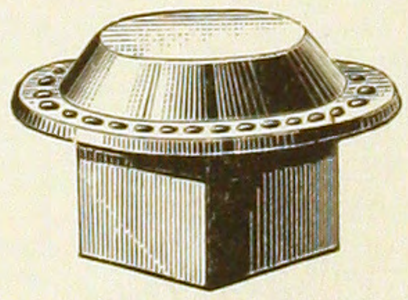
No. 1, 3/8 inch,	$0 18 per set.
" 2, 7/16 "	20 "

6 sets in a box.

Top Prop Nuts



Full size Cut of No. 10.

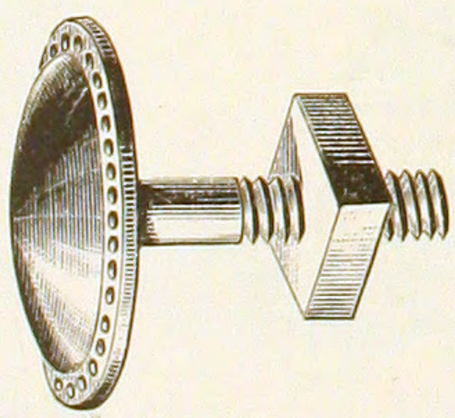


Full size cut of No. 30.

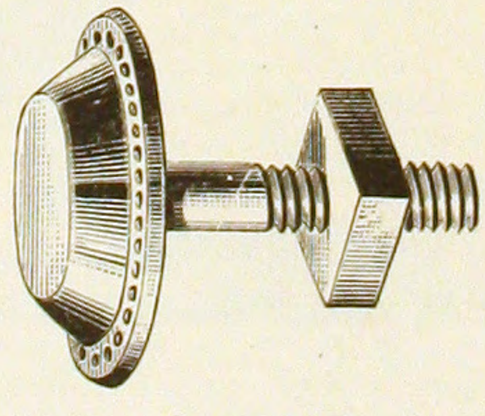
	Japanned.	X C Plate.
No. 10, 1 inch,	$4 00	$4 50 per gross.
" 30, 1 "	4 00	4 50 "

½ gross in a box.

Top Prop Rivets.



Full size Cut of No. 20.



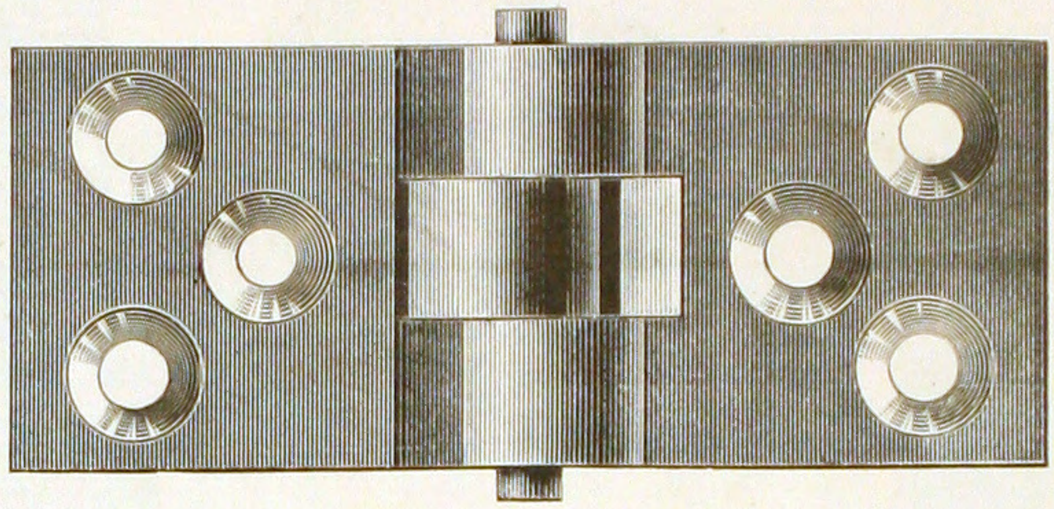
Full size Cut of No. 40.

	Japanned.	X C Plate.
No. 20, 1 inch,	$4 00	$4 50 per gross.
" 40, 1 "	4 00	4 50 "

½ gross in a box.

CARRIAGE HINGES.

MALLEABLE IRON.



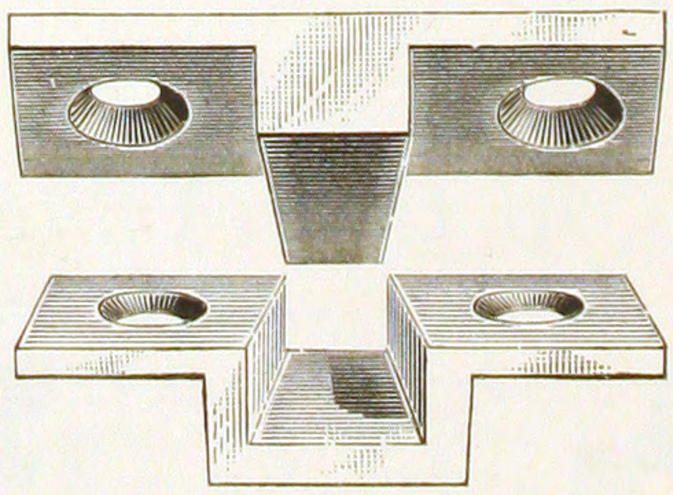
No. 2. 1¼ inch wide.

Double Jointed. Right and Left.

1¼	1½	1¾	2	2¼	2½	2¾	3	3¼	3½ inches long.
$1 00	1 10	1 20	1 30	1 40	1 50	1 60	1 70	1 80	1 90 per dozen.

1 dozen in a box.

Carriage Door Dove-Tails.

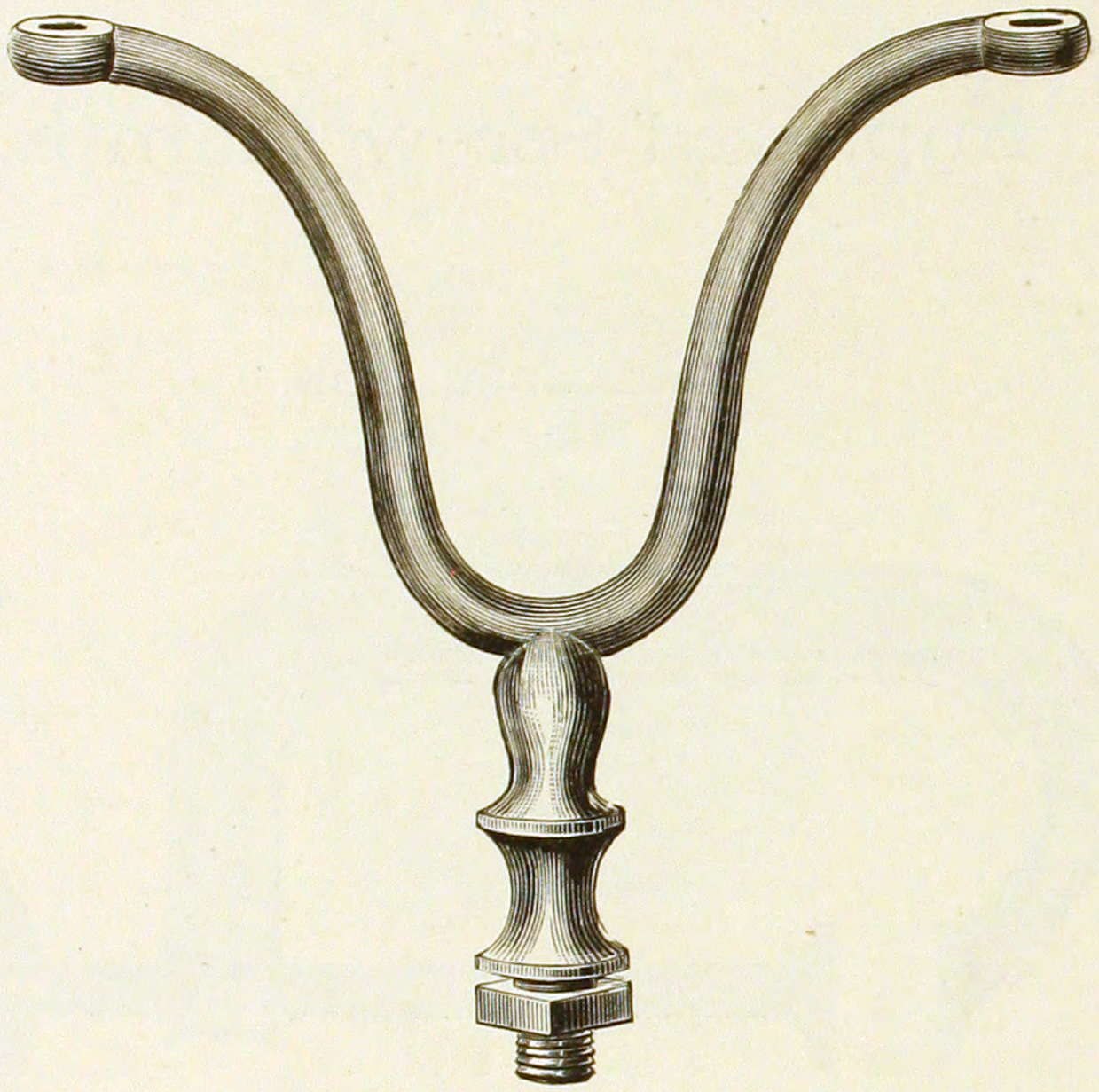


Full size cut of No. 4.

No. 1,	$1 00 per dozen.
" 3,	85 "
" 4,	85 "

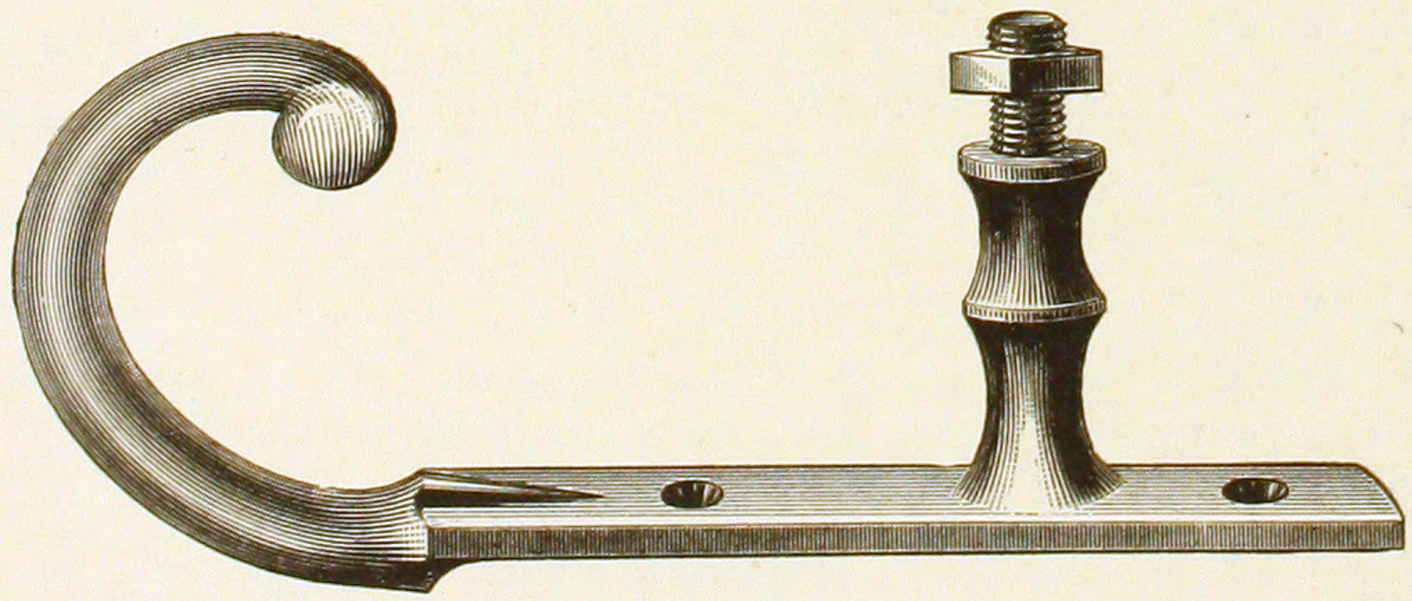
3 dozen in a box.

BACK STAYS.



X C Plate, 6½ inches high from shoulder, ... $3 00 per dozen pairs.
6½ " from centre of each hole.

SEAT SCROLLS.

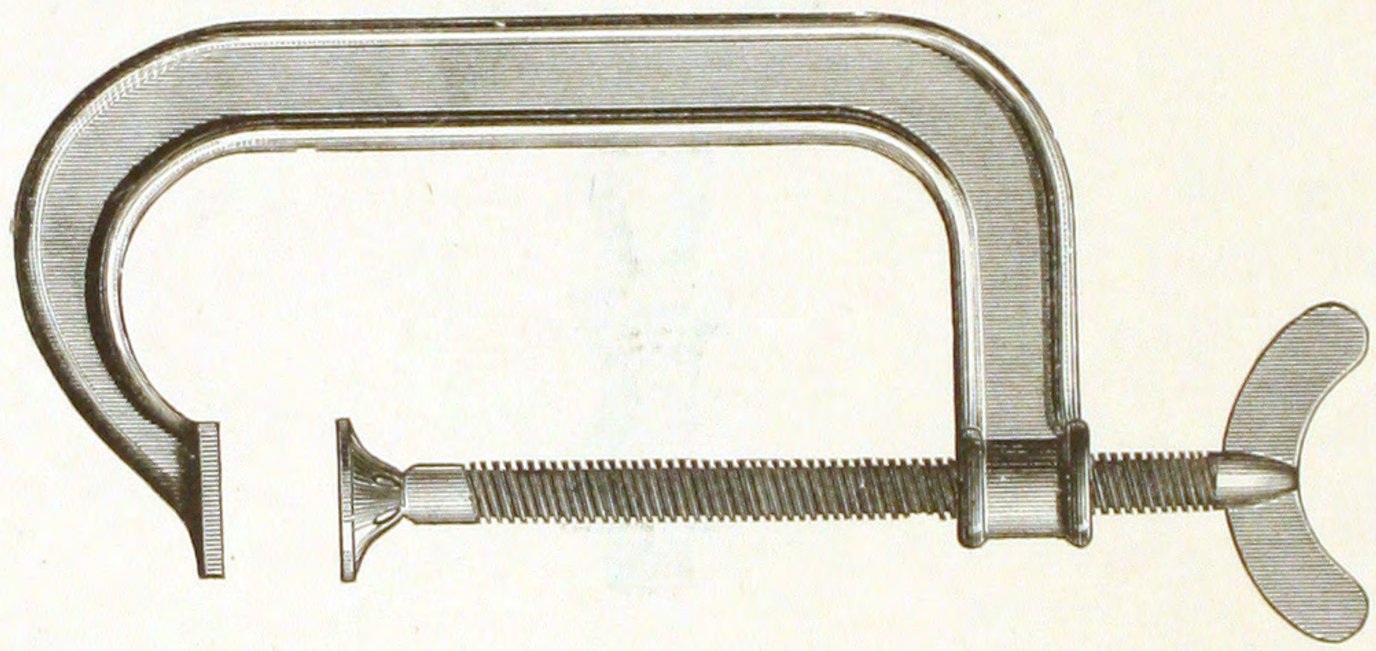


X C Plate, 1¾ inches from shoulder to plate, ... $3 00 per dozen pairs.
7 " entire length.

½ dozen pairs in a box.

Improved Screw Clamps.

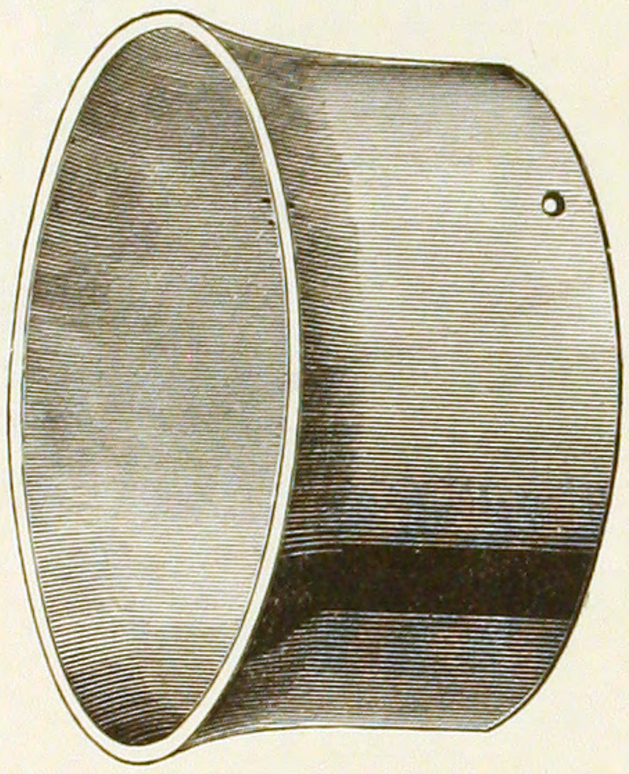
MALLEABLE IRON.



No. 1, opens 3 inches,	$3 50	per dozen.
" 2, " 4 "	5 00	"
" 3, " 5 "	6 00	"
" 4, " 6 "	8 00	"
" 5, " 7 "	9 50	"
" 6, " 8½ "	12 50	"
" 7, " 10 "	14 00	"
" 8, " 12 "	15 50	"

½ dozen in a box.

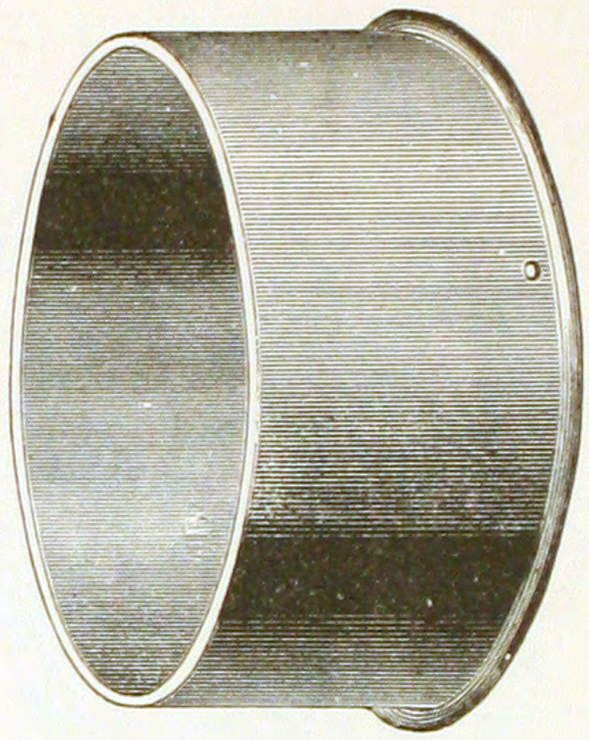
Malleable Iron Carriage Bands.



Bell, 1¾ inches deep.

	Turned.	Fine Tinned.
1¾ inch, ...	$0 50	$0 75 per set.
1⅞ "	50	75 "
2 "	50	75 "
2⅛ "	50	75 "
2¼ "	50	75 "
2⅜ "	50	75 "
2½ "	50	75 "
2⅝ "	50	75 "
2¾ "	50	75 "
2⅞ "	50	75 "
3 "	50	75 "
3⅛ "	55	80 "
3¼ "	60	85 "

Malleable Iron Carriage Bands.

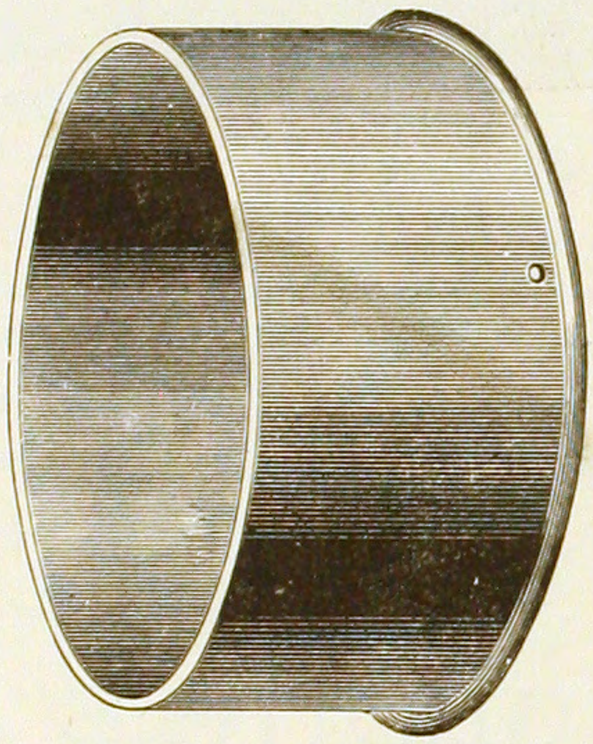


No. 6, 1¾ inches deep.

	Turned.	Fine Tinned.
2 inch,	$0 45	$0 70 per set.
2⅛ "	45	70 "
2¼ "	45	70 "
2⅜ "	45	70 "
2½ "	45	70 "
2⅝ "	45	70 "
2¾ "	45	70 "
2⅞ "	45	70 "
3 "	45	70 "
3⅛ "	50	75 "
3¼ "	55	80 "
3⅜ "	60	85 "
3½ "	65	90 "
3⅝ "	70	95 "
3¾ "	75	1 00 "
3⅞ "	80	1 05 "
4 "	85	1 15 "

Extra Fine Turned Rim Bands.

MALLEABLE IRON.



No. 10. 1½ inches deep.

1⅞	2	2⅛	2¼	2⅜	2½ inch diameter.
$0 40	40	40	40	40	40 per set.

No. 15. 1¾ inches deep.

1⅞	2	2⅛	2¼	2⅜	2½	2⅝	2¾	2⅞	3 inch diameter.
$0 45	45	45	45	45	45	45	45	45	45 per set.

No. 20. 2 inches deep.

3	3⅛	3¼	3⅜	3½	3⅝	3¾	3⅞	4 inch diameter.
$0 60	65	70	75	80	85	90	95	1 00 per set.

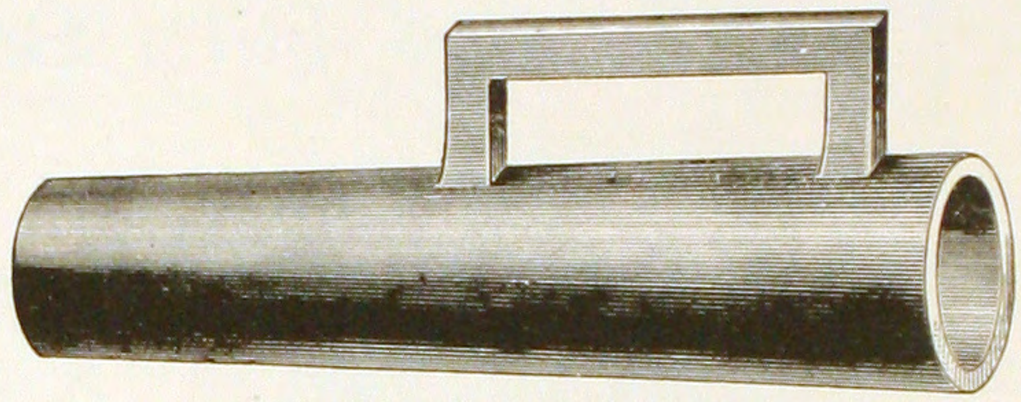
No. 25. 2¼ inches deep.

3	3⅛	3¼	3⅜	3½	3⅝	3¾	3⅞	4 inch diameter.
$0 90	95	1 00	1 05	1 10	1 20	1 30	1 40	1 50 per set.

No. 30. 2½ inches deep.

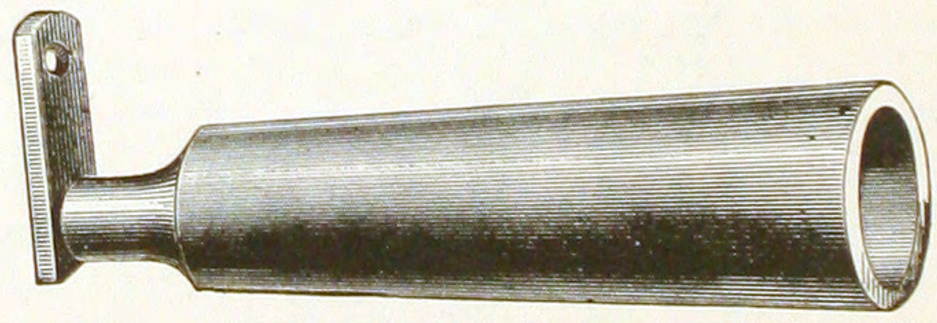
3	3⅛	3¼	3⅜	3½	3⅝	3¾	3⅞	4 inch diameter.
$1 00	1 05	1 10	1 15	1 20	1 30	1 40	1 50	1 60 per set.

YOKE TIPS.



			Plain.	Japanned.	Fine Tinned.
¾	inch,	. . .	15 cents per pound.	$1 50	$2 50 per dozen pairs.
⅞	" 1⅜	loop, .	15 " "	1 88	2 88 " "
1	" 1⅜	" .	15 " "	2 25	3 25 " "
1	" 1¾	" .	15 " "	2 25	3 25 " "

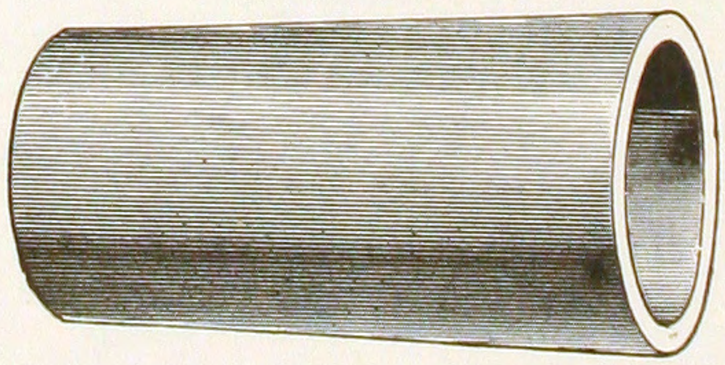
SWINGLETREE TIPS.



No. 1.

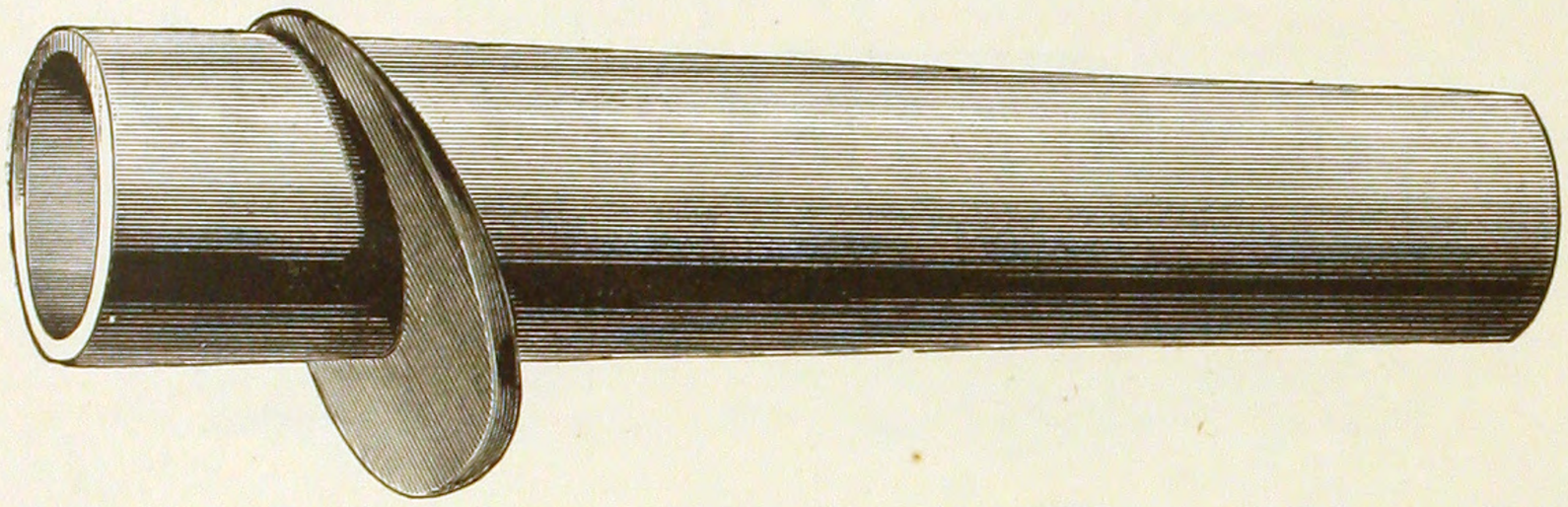
			Plain.	Japanned.	Fine Tinned.
¾	inch,	. . .	15 cents per pound.	$1 80	$2 80 per dozen pairs.
⅞	"	. . .	15 " "	2 00	3 00 " "
1	"	. . .	15 " "	2 35	3 35 " "

SHAFT TIPS.



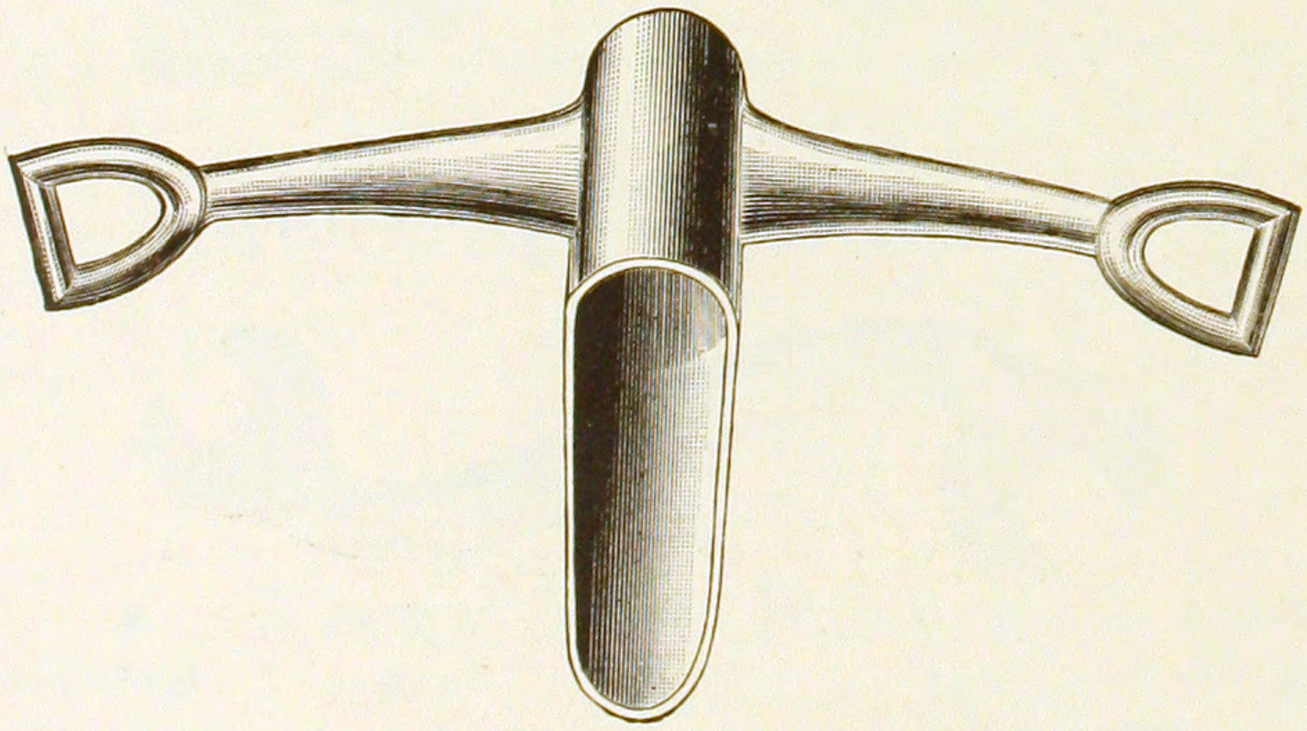
			Plain.	Japanned.	Fine Tinned.
⅞	inch,	. . .	15 cents per pound.	$0 75	$1 00 per dozen pairs.
1	"	. . .	15 " "	1 00	1 25 " "

POLE TIPS.



	Plain.	Japanned.	Fine Tinned.
1 inch, ...	15 cents per pound.	$2 35	$4 00 per dozen.
1⅛ "	15 " "	2 75	4 25
1¼ "	15 " "	3 15	4 50 "
1⅜ "	15 " "	3 50	5 00 "
1½ "	15 " "	3 75	5 50 "

POLE CRABS.

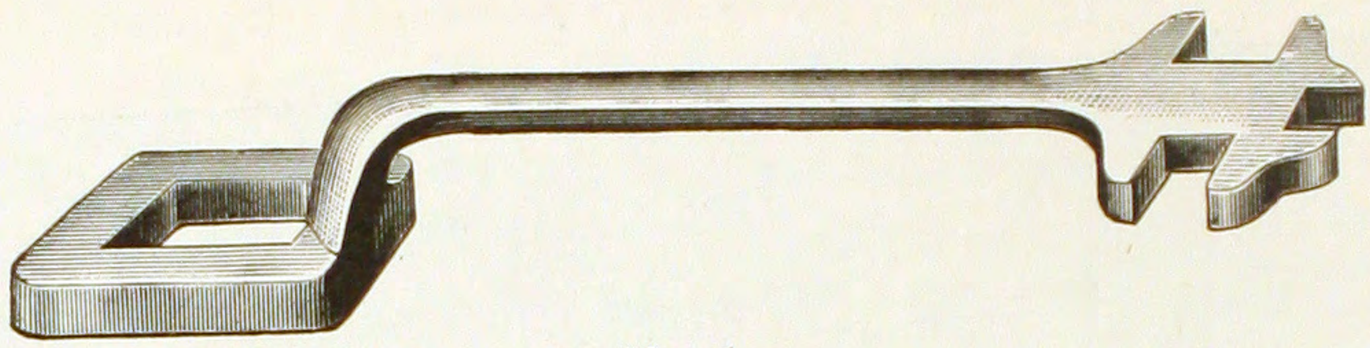


Style of Nos. 3, 4 and 5.

Short Arm.		Long Arm.	
No. 3, . .	1½ inch socket.	No. 13, . .	1½ inch socket.
" 4, . .	1⅜ "	" 14, . .	1⅜ "
" 5, . .	1¼ "	" 15, . .	1¼ "

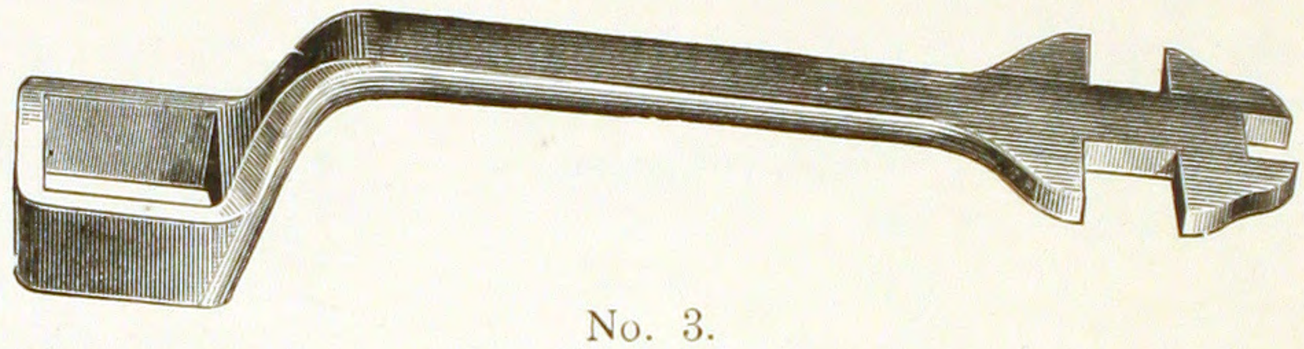
15 cents per pound.

Carriage Wrenches.



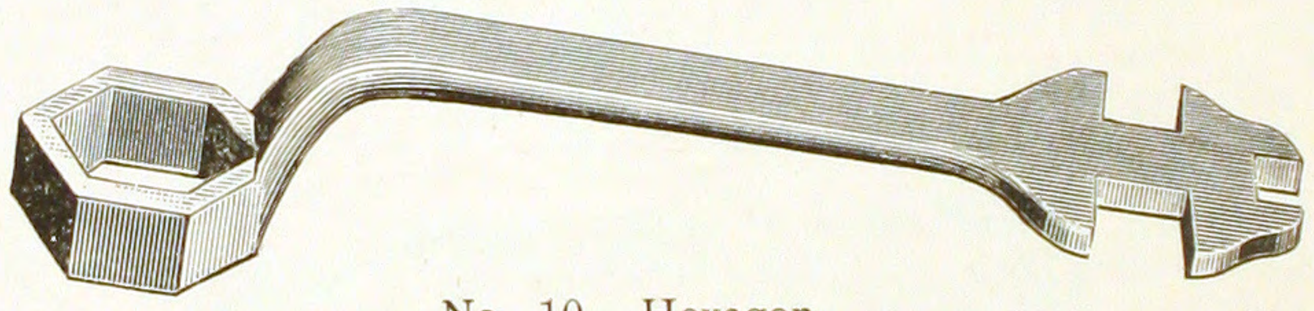
No. 1.

1½ 1⅝ 1¾ 2 2¼ 2½ inches.



No. 3.

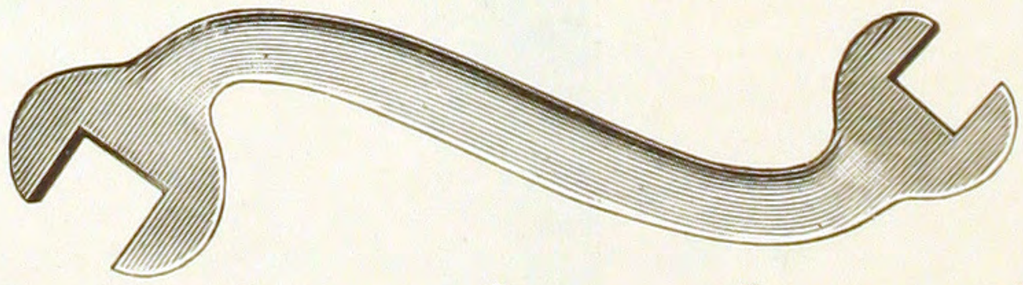
¾ ⅞ 1 1⅛ 1¼ 1⅜ 1½ 1⅝ 1¾ inches.



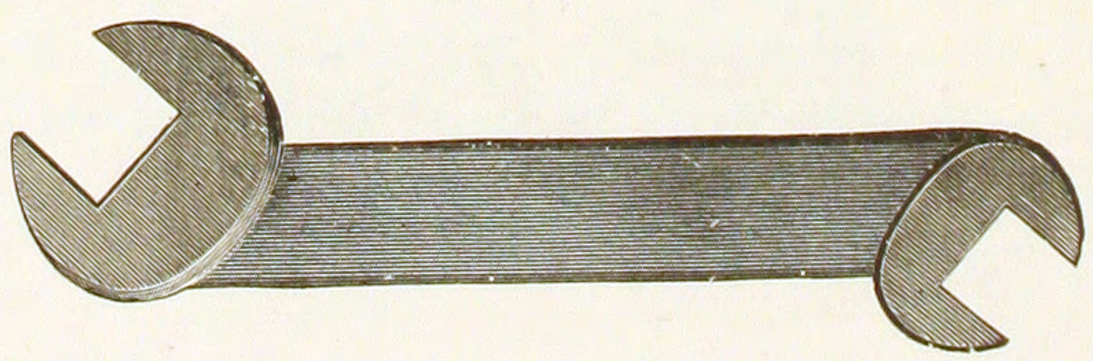
No. 10. Hexagon.

¾ ⅞ 1 1⅛ 1¼ 1⅜ inches.

Machinery Wrenches.

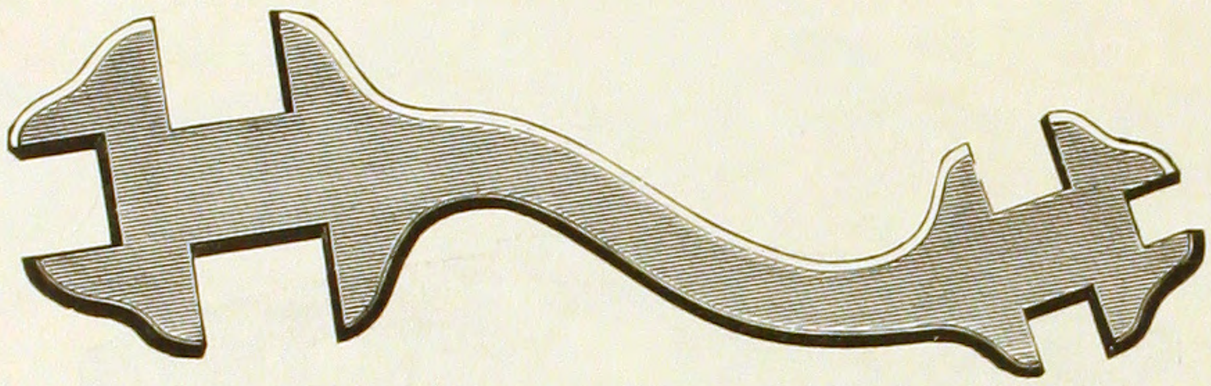


Nos.	4	5	6	7	8
	1¼x1½	⅞x1	¾x⅞	⅝x¾	⅜x½ inches.



Nos.	9	10	11	11½	12	13	14
	⅜x½	⅝x¾	⅞x1	1x1⅛	1⅛x1¼	1⅜x1½	1⅝x1¾ inches.

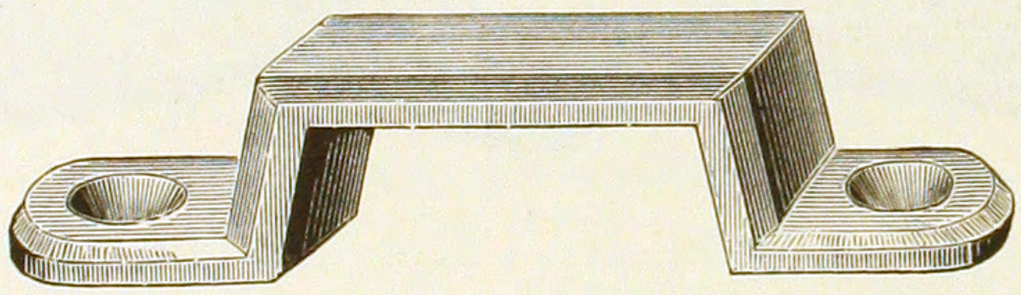
Machinery Wrenches.



Nos. 21 and 22

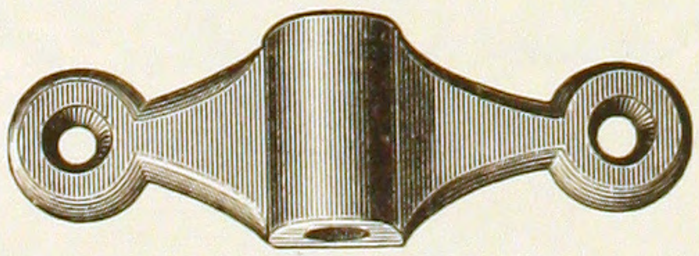
No. 21, ...	For Nuts.	½ to 1¾ inches.
" 22, ...	"	½ " 1½ "

Bow Staples.



1¼	1½	inches wide inside.
½	⅝	" deep "

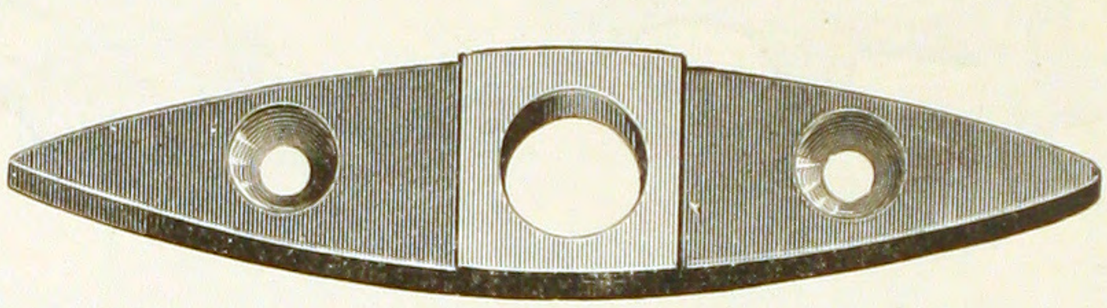
Front Bar Plates.



1⅛	1¼	1½	inches wide.
⅜	⅜	⅜	" hole.

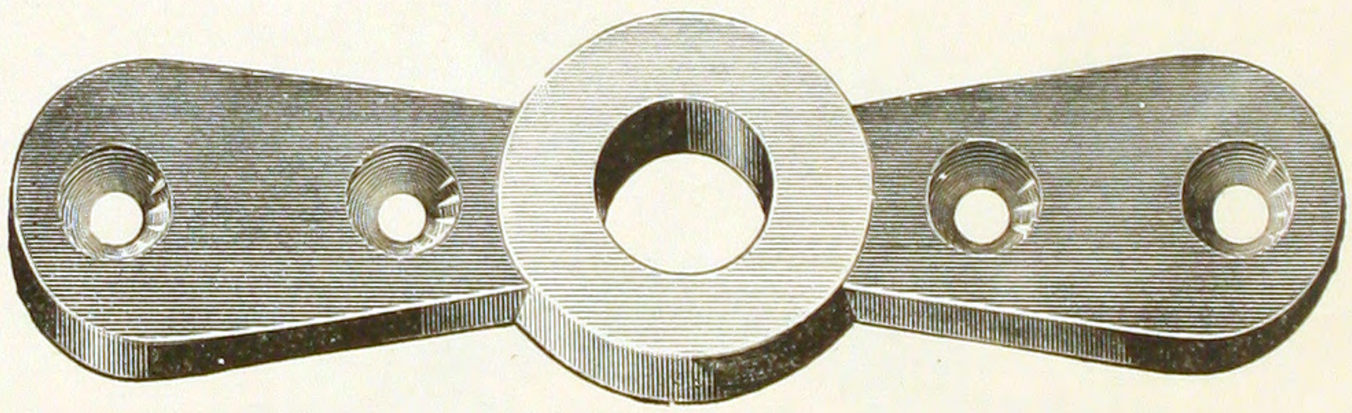
SWINGLETREE PLATES.

SINGLE.



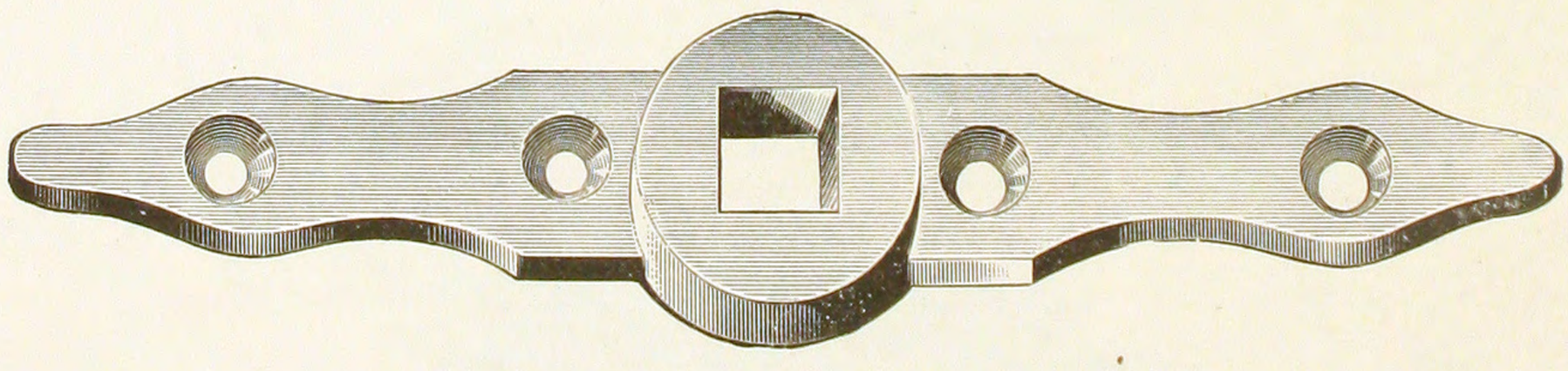
No. 1, ... ⅜ inch long; ½ inch hole.

10 pounds in a box.



No. 2, ... 3⅞ inches long; $\frac{7}{16}$ inch hole.
" 3, ... 3⅞ " ½ "

10 pounds in a box.

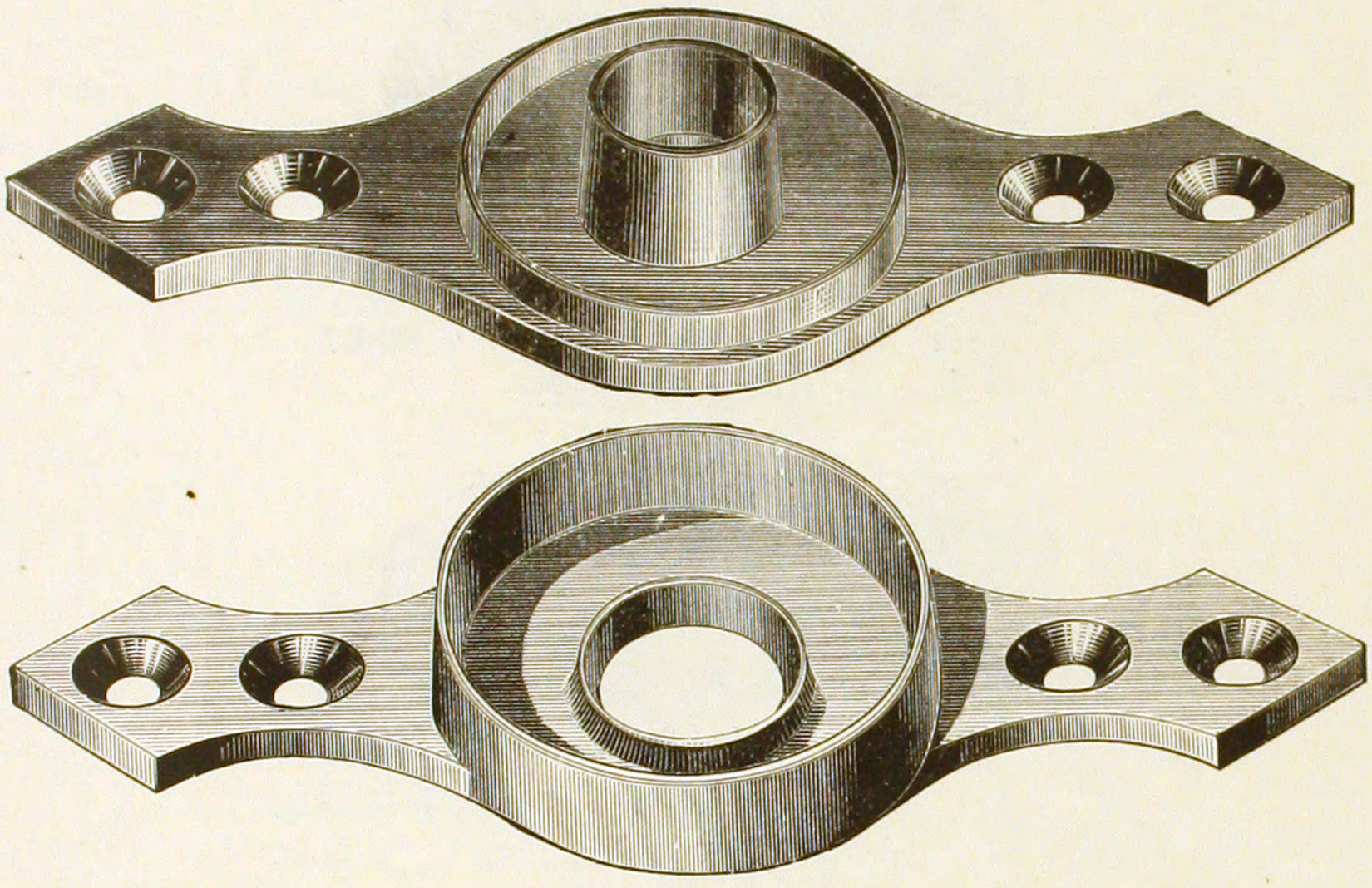


No. 4, ... 5 inches long; ⅜ inch hole.

10 pounds in a box.

SWINGLETREE PLATES.

DOUBLE.

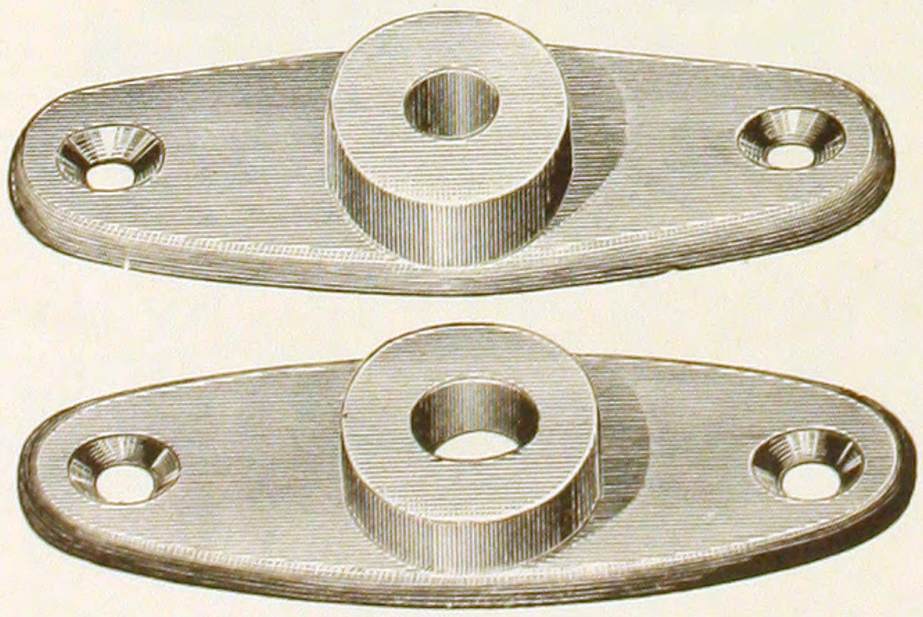


Style of No. 2.

No. 1, Shallow Pattern, . .	1⅜	1½	1⅝	1¾	1⅞	2	2¼	2½	2¾	inches.
" 2, Deep, . . .	1⅜	1⅝	1¾	1⅞	2	2¼	2½	2¾	3	"

10 pounds in a box.

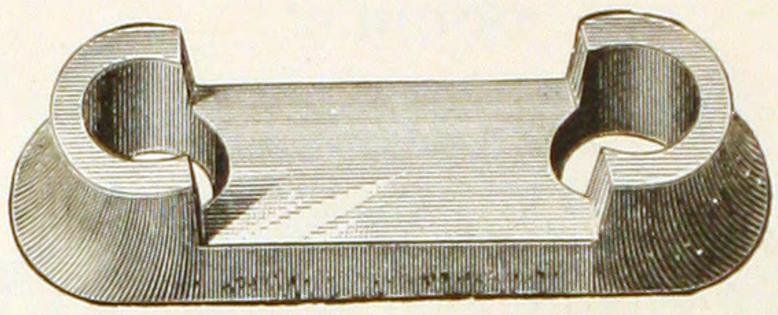
Body Rod Plates.



3¾ inches long ; $\frac{5}{16}$ inch small hole ; ⅜ inch large hole.

10 pounds in a box.

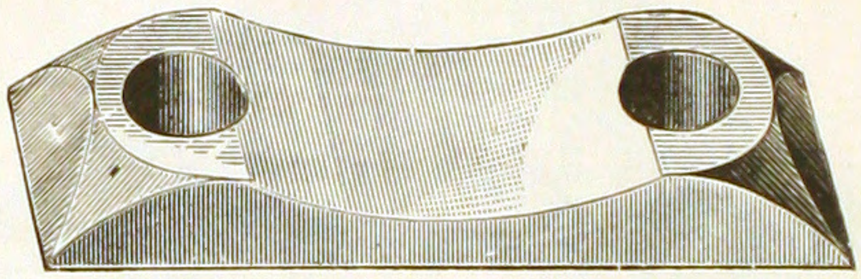
Axle Clip Bars.



No. 2.

7/8	1	1 1/8	1 1/4	1 3/8	inch axle.
5/16	5/16	5/16	3/8	3/8	" hole.

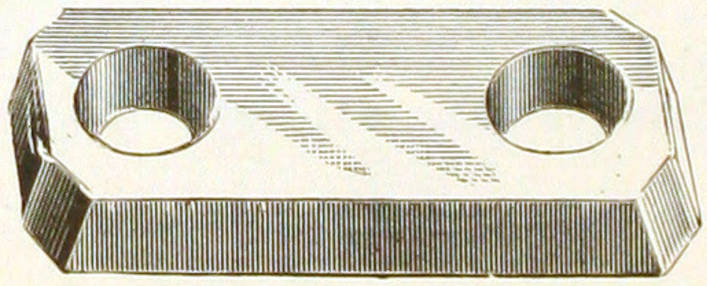
10 pounds in a box.



No. 3.

7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	inch axle.
5/16	5/16	5/16	5/16	5/16	5/16	" hole.

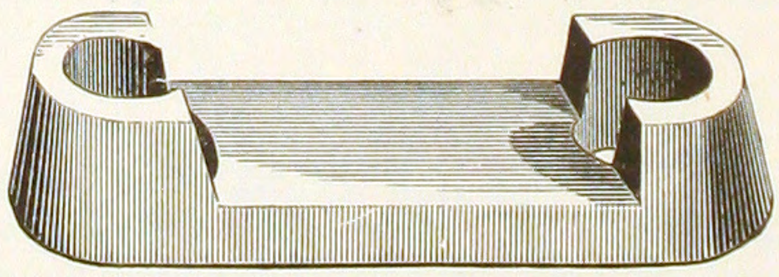
10 pounds in a box.



No. 4.

7/8	1	1 1/8	1 1/4	1 3/8	1 1/2	inch axle.
5/16	5/16	5/16	5/16	5/16	5/16	" hole.

10 pounds in a box.



Style of Nos. 7 and 8.

1 1/8	1 1/4	1 3/8	1 1/2	1 5/8	1 3/4	inch axle.
5/16	5/16	3/8	3/8	3/8	3/8	" hole.

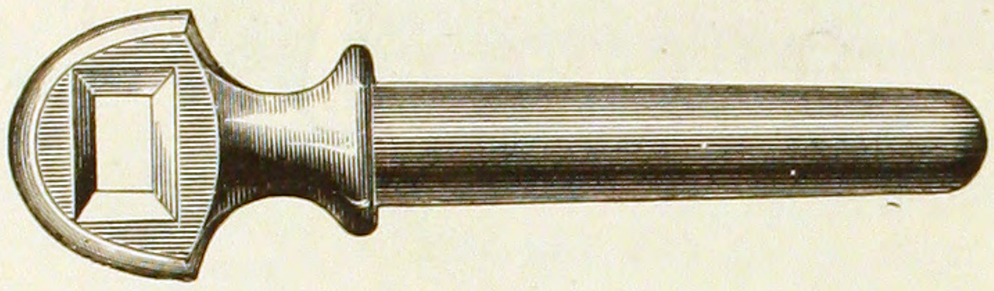
10 pounds in a box.

No. 8.

1 1/8	1 1/4	1 1/2	1 3/4	2	inch axle.
3/8	3/8	7/16	7/16	7/16	" hole.

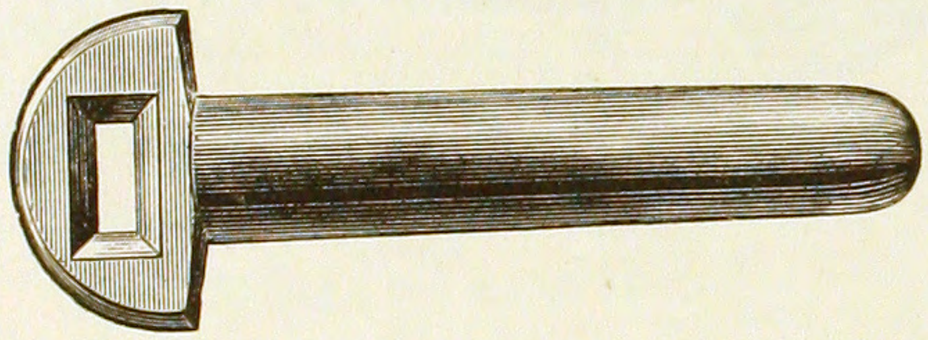
10 pounds in a box.

COCK-EYES.



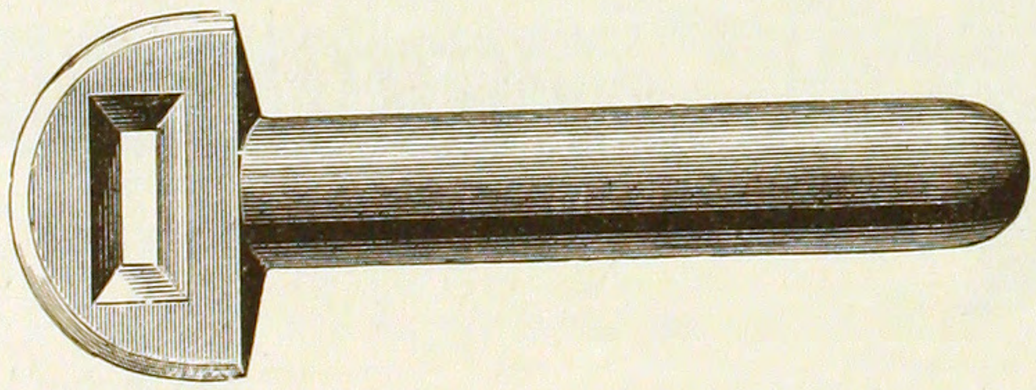
No. 1, ... 2¾ inches long ; 5/16 inch shank.

10 pounds in a box.



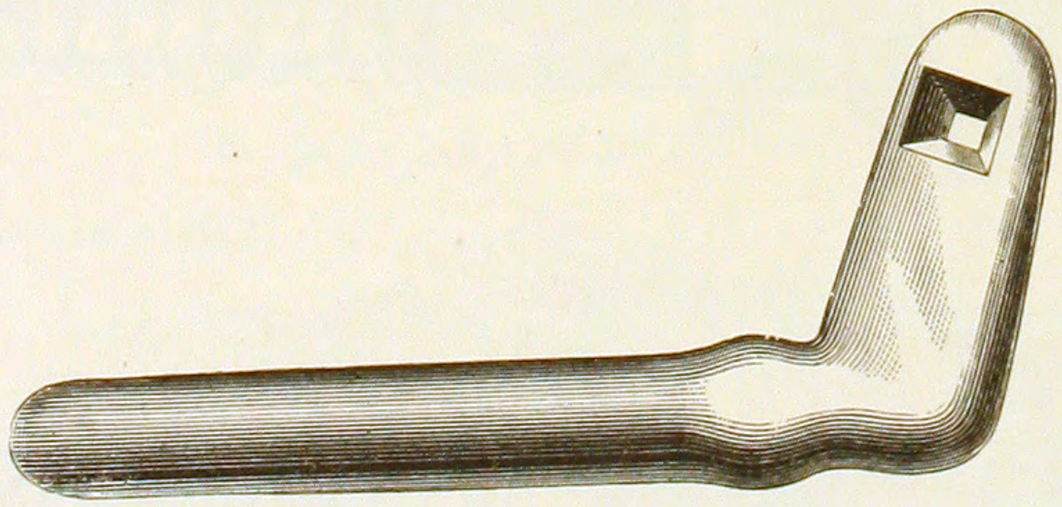
No. 2, ... 2⅝ inches long ; 7/16 inch shank.

10 pounds in a box.



No. 3, ... 3 inches long ; 7/16 inch shank.

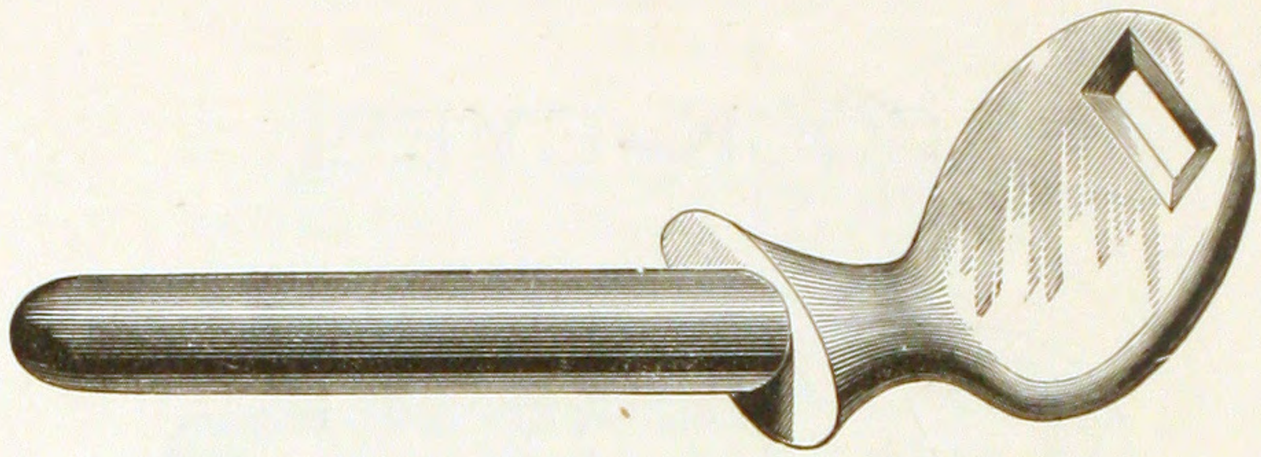
10 pounds in a box.



No. 4, ... 2¾ inches long ; 5/16 inch shank.

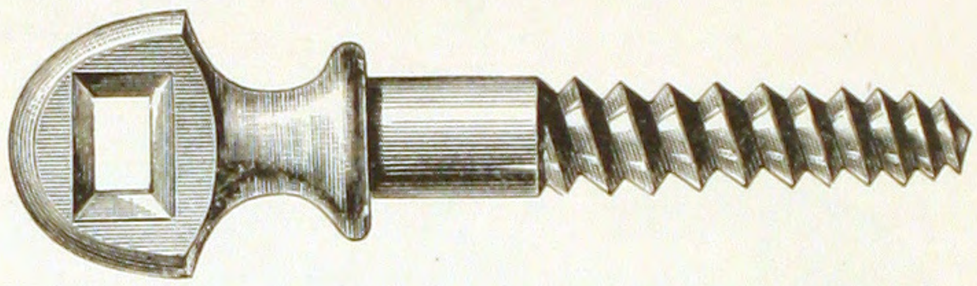
10 pounds in a box.

COCK-EYES.



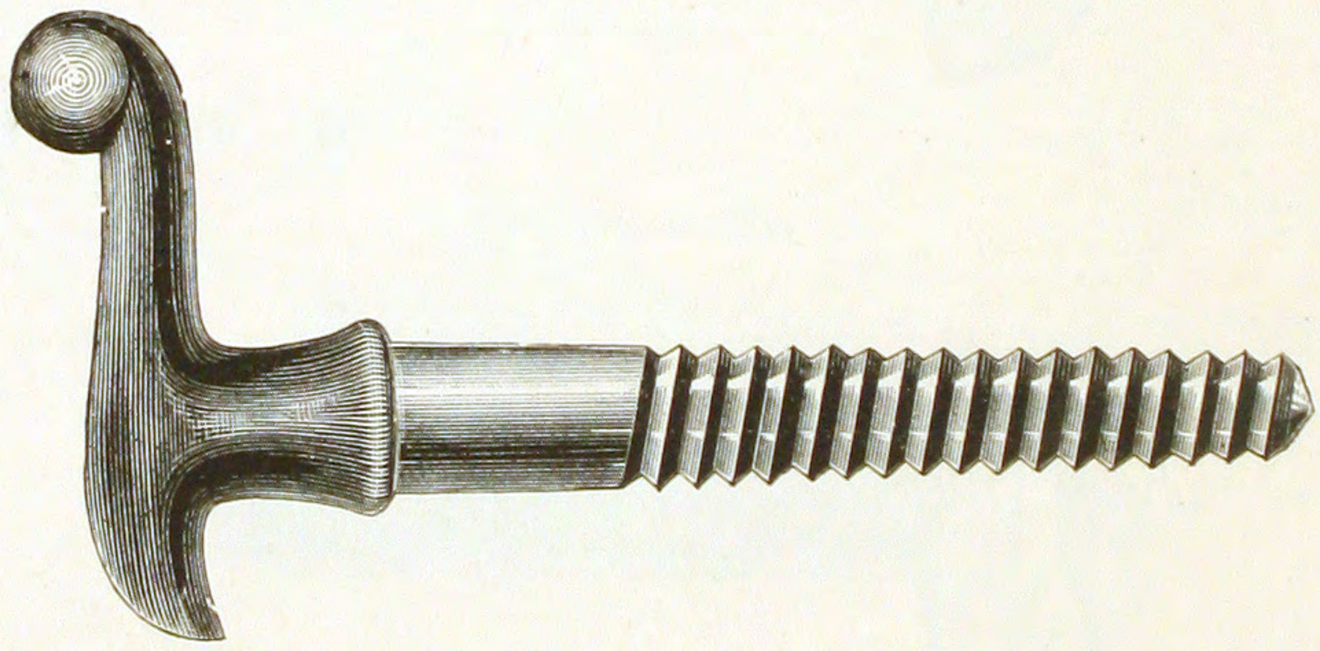
No. 5, ... 3 inches long ; 3/8 inch shank.

10 pounds in a box.



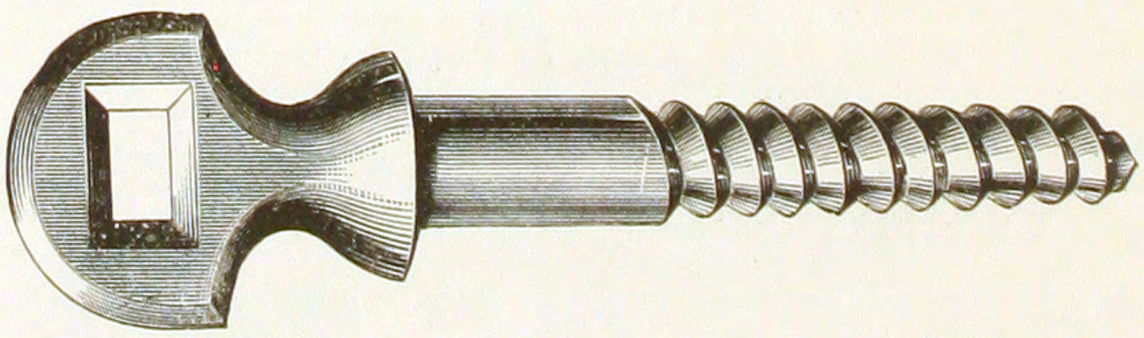
No. 7, ... 2¾ inches long ; 5/16 inch shank.

10 pounds in a box.



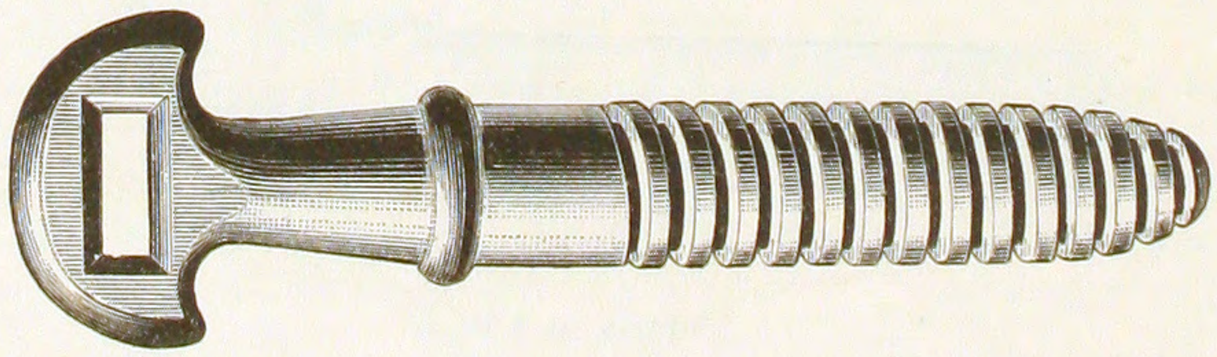
No. 8, ... 2⅜ inches long ; 3/8 inch shank.

10 pounds in a box.



No. 9, ... 3¼ inches long ; 3/8 inch shank.

10 pounds in a box.

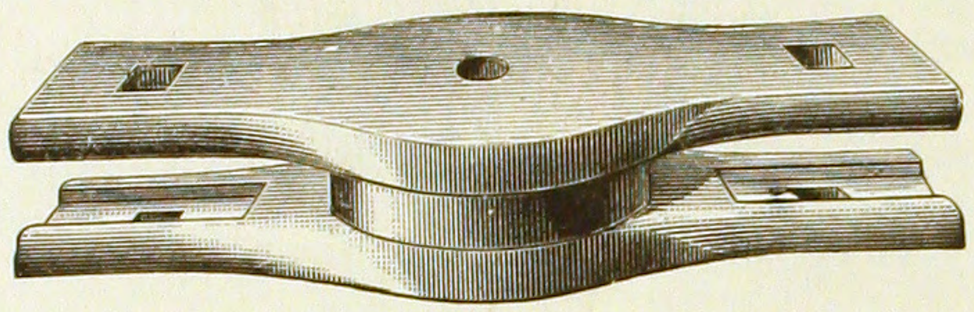


No. 10, ... 3⅜ inches long ; ½ inch shank.

10 pounds in a box.

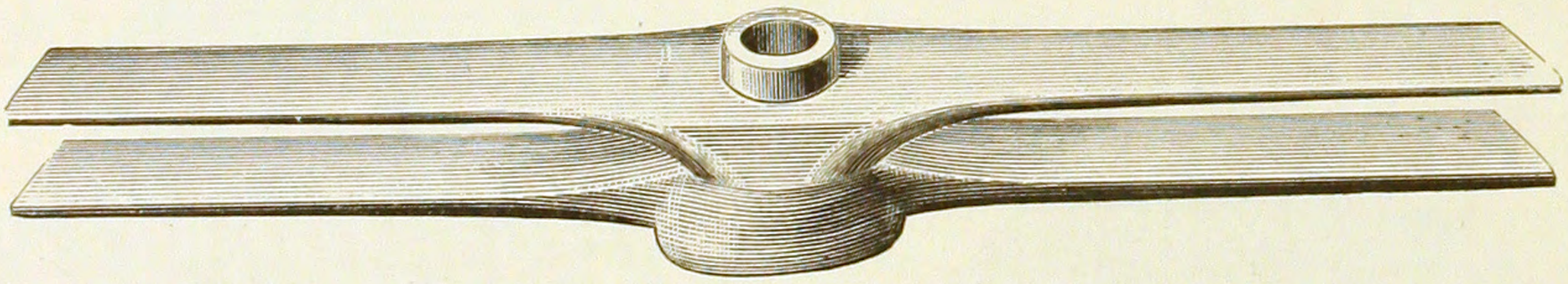
BOLSTER PLATES.

CAST IRON.



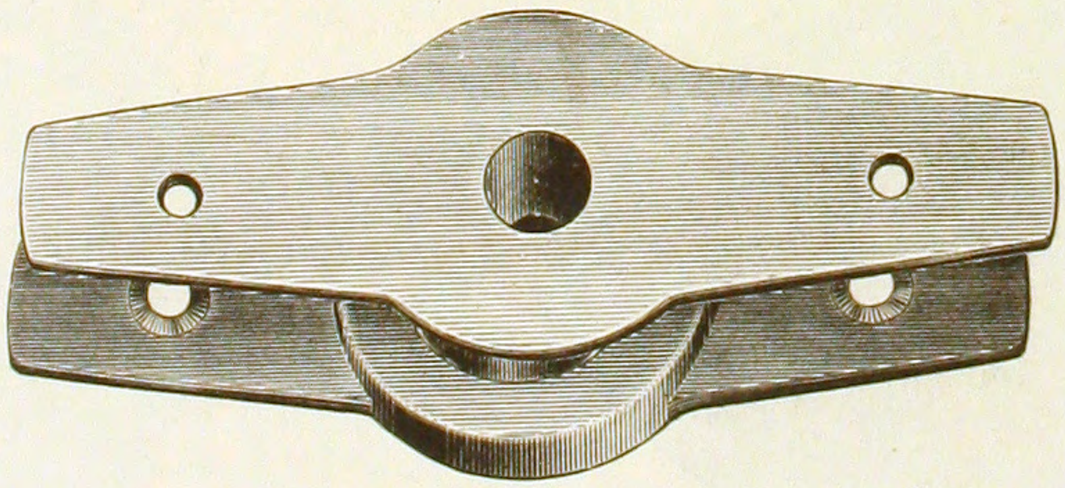
No. 10,	9½ inches long,	3¼ inch circle,	. . . . .	6 cents per pound.
" 11,	13½ "	3¾ "	. . . . .	6 " "
" 12,	13½ "	4¼ "	. . . . .	6 " "

MALLEABLE IRON.



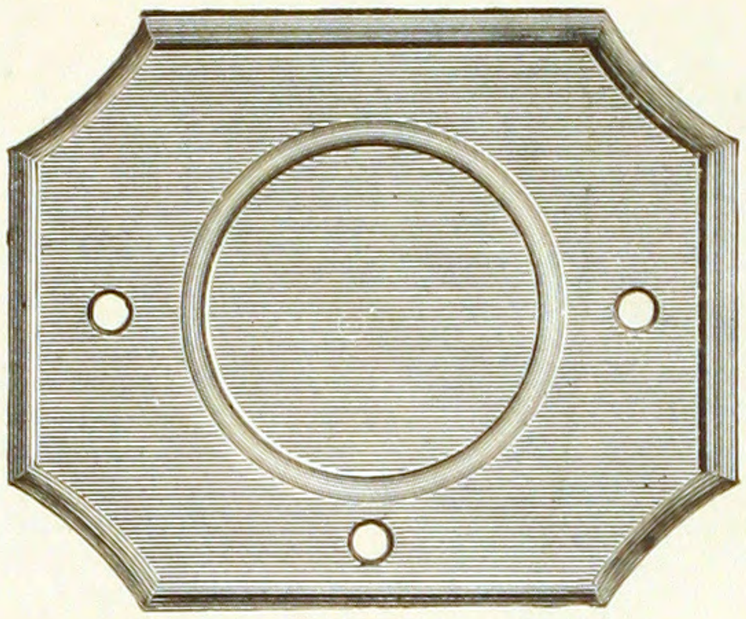
No. 1, ...	18	inches long ; for 1¾	inch axle.
" 2, ...	20	" " 1¾	"
" 3, ...	22	" " 2	"
" 4, ...	21	" " 2¼	"
" 5, ...	23	" " 2¼	"
" 6, ...	23	" " 2½	"
" 7, ...	28	" " 2½	"

MALLEABLE IRON

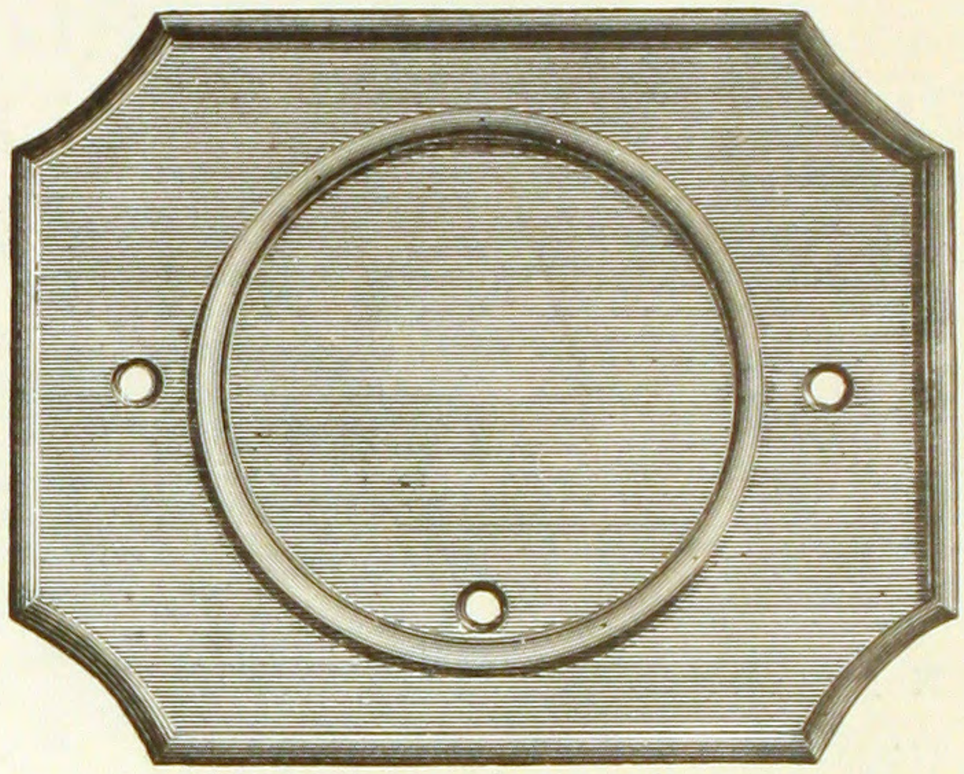


No. 255, ... 5¾ inches long ; 2⅛ inch wide.

STEP PLATES.

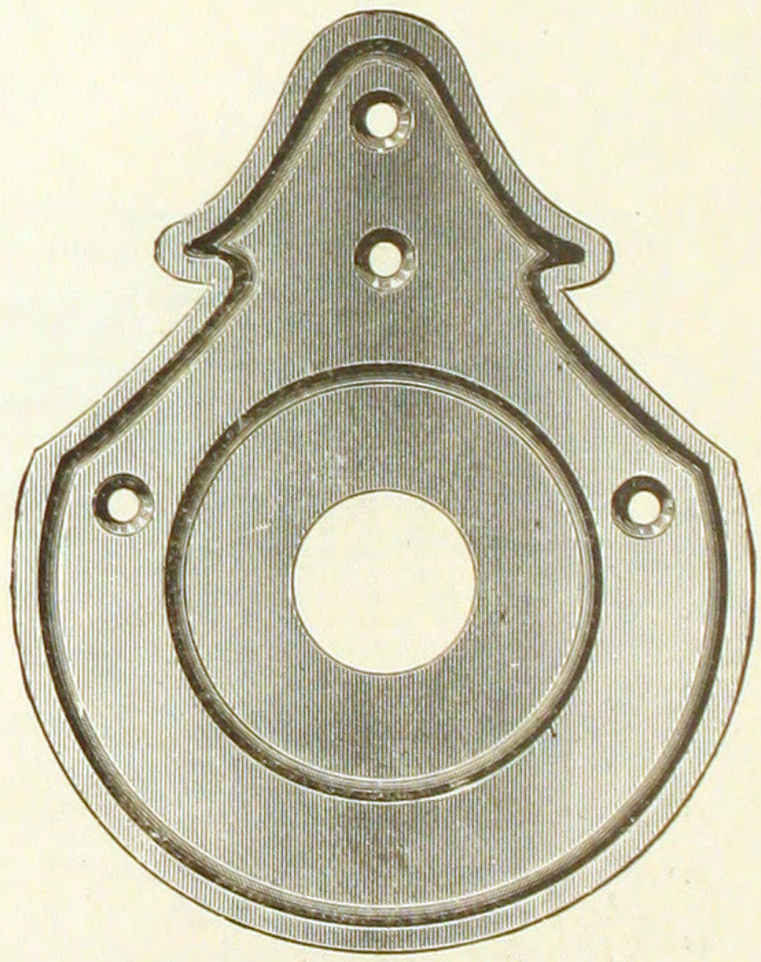


No. 1, 3½ x 4¼ inches.

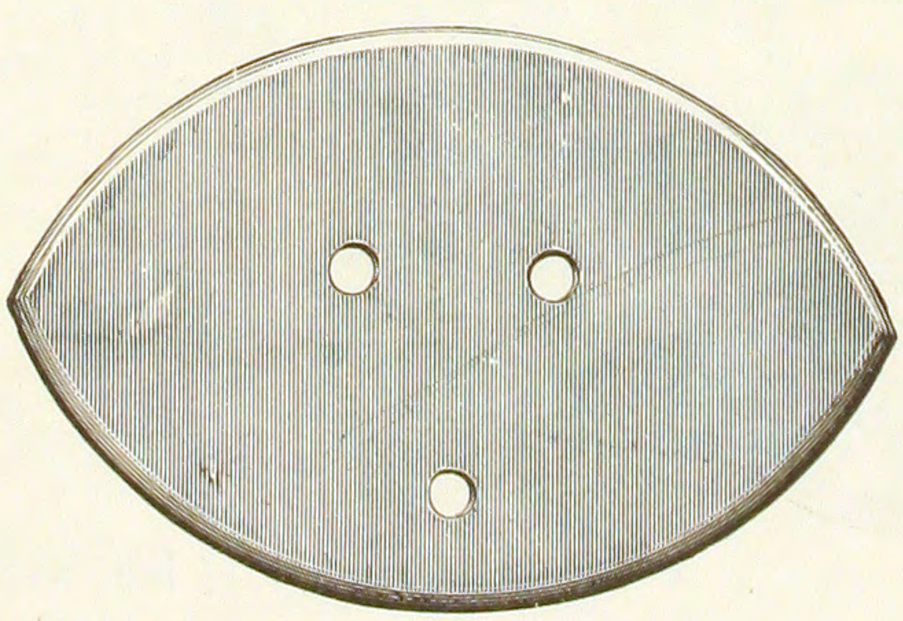


No. 2, 4½ x 5¼ inches.

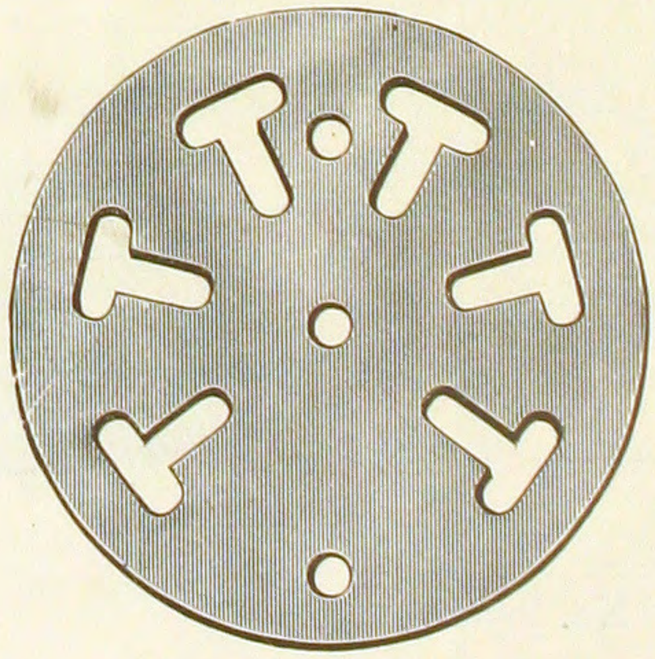
No. 3, 3¼ x 4½ inches.



No. 4, 4¼ x 5¼ inches.

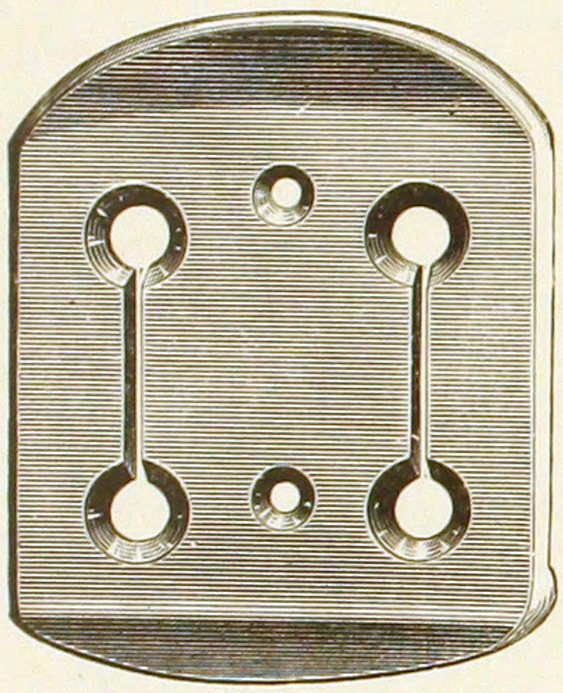


No. 5, 3¼ x 5 inches.

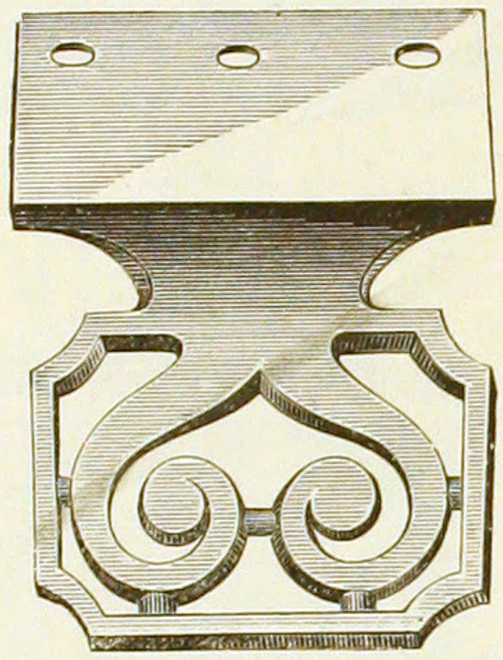


No. 6, 3¾ inches.

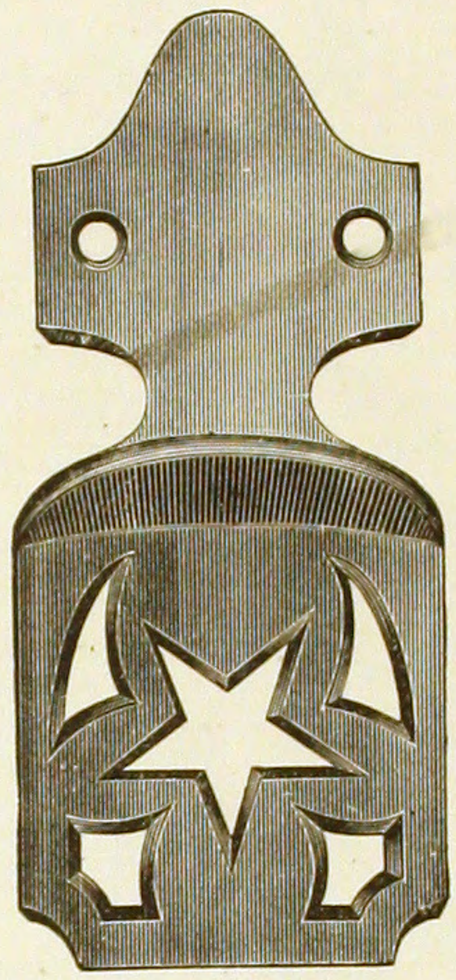
STEP PLATES.



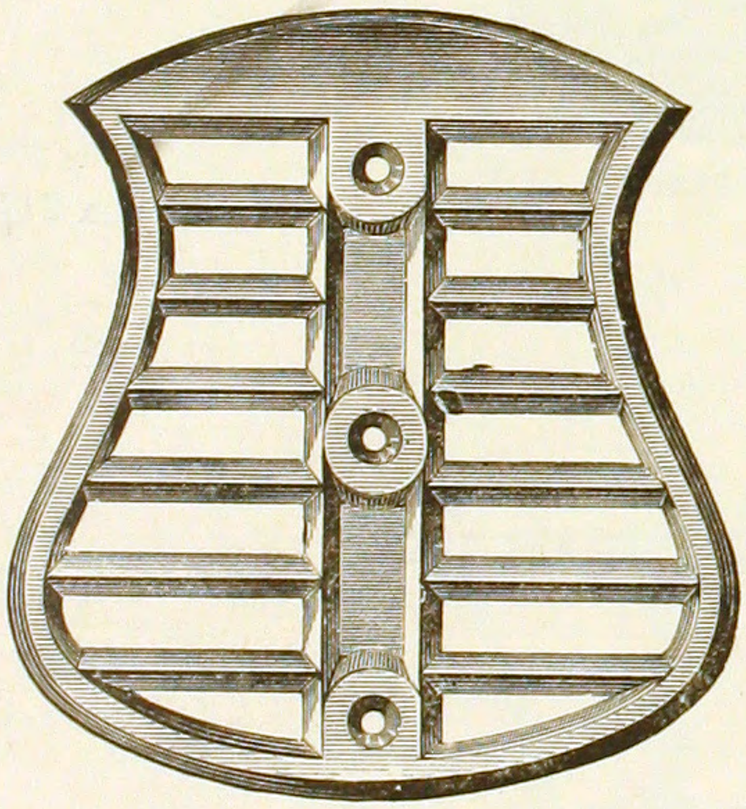
No. 7, 3 x 4 in No. 8, 3½ x 4½ in.



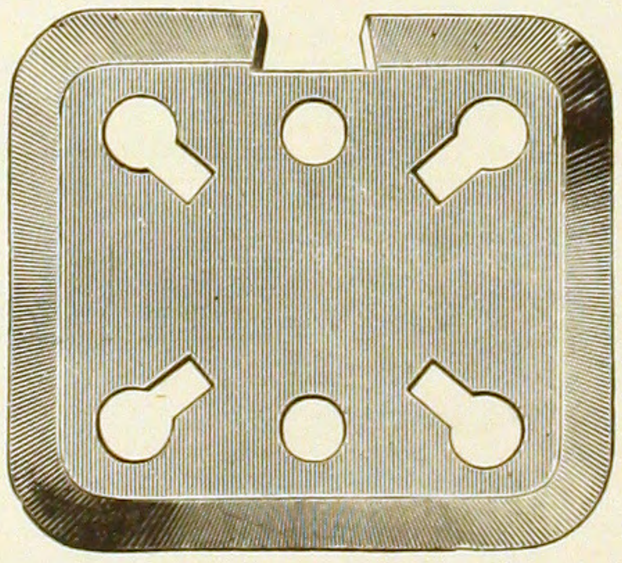
No. 12, 4¼ x 5 in.



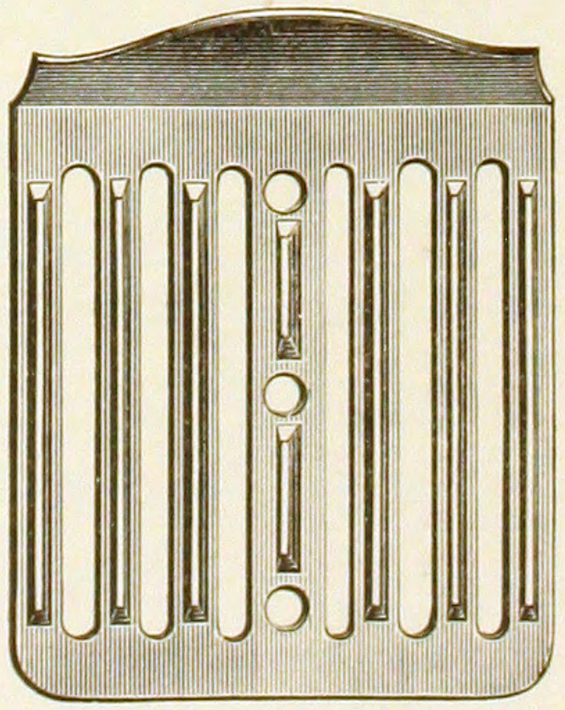
No. 13, 3½ x 8 in.



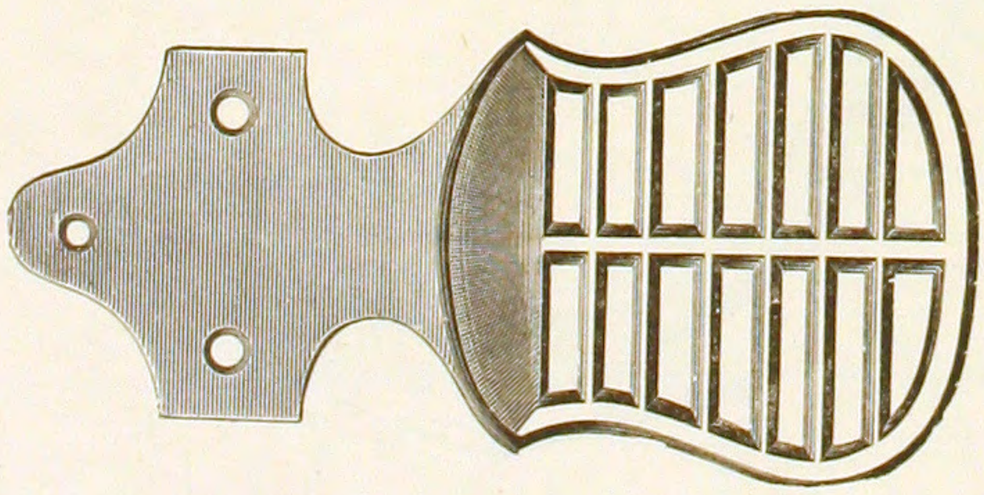
No. 14, 4 x 4¾ inch.



No. 15, 3 x 3¼ in. No. 16, 4 x 4½ in.

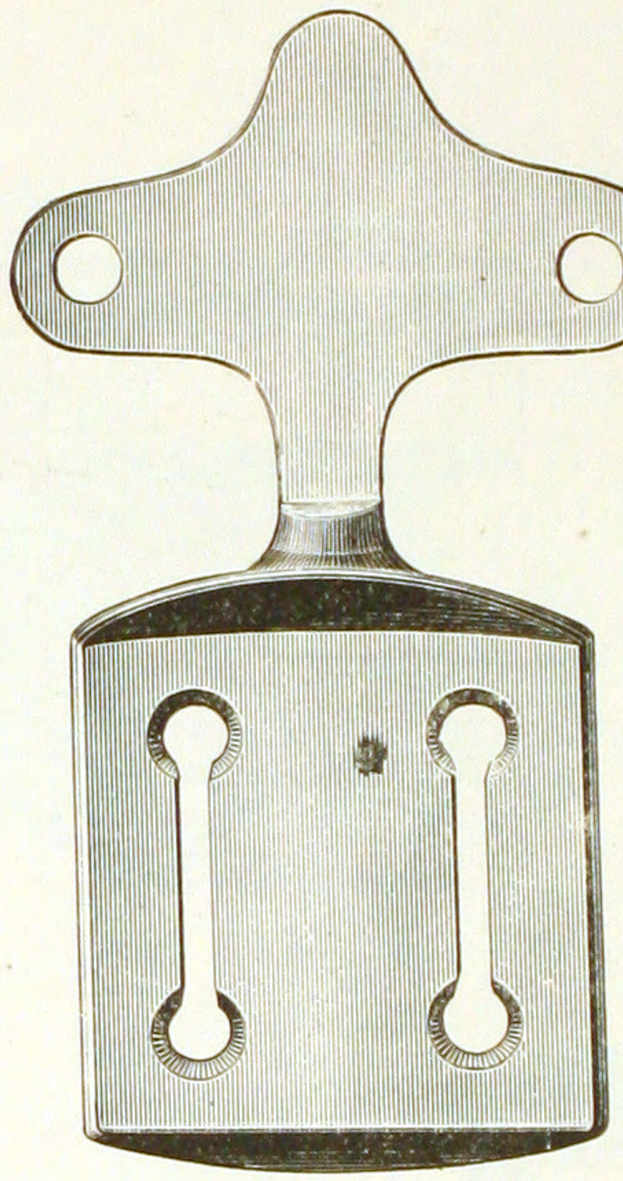


No. 25, 3 x 4 in. No. 26, 3½ x 4½ in.



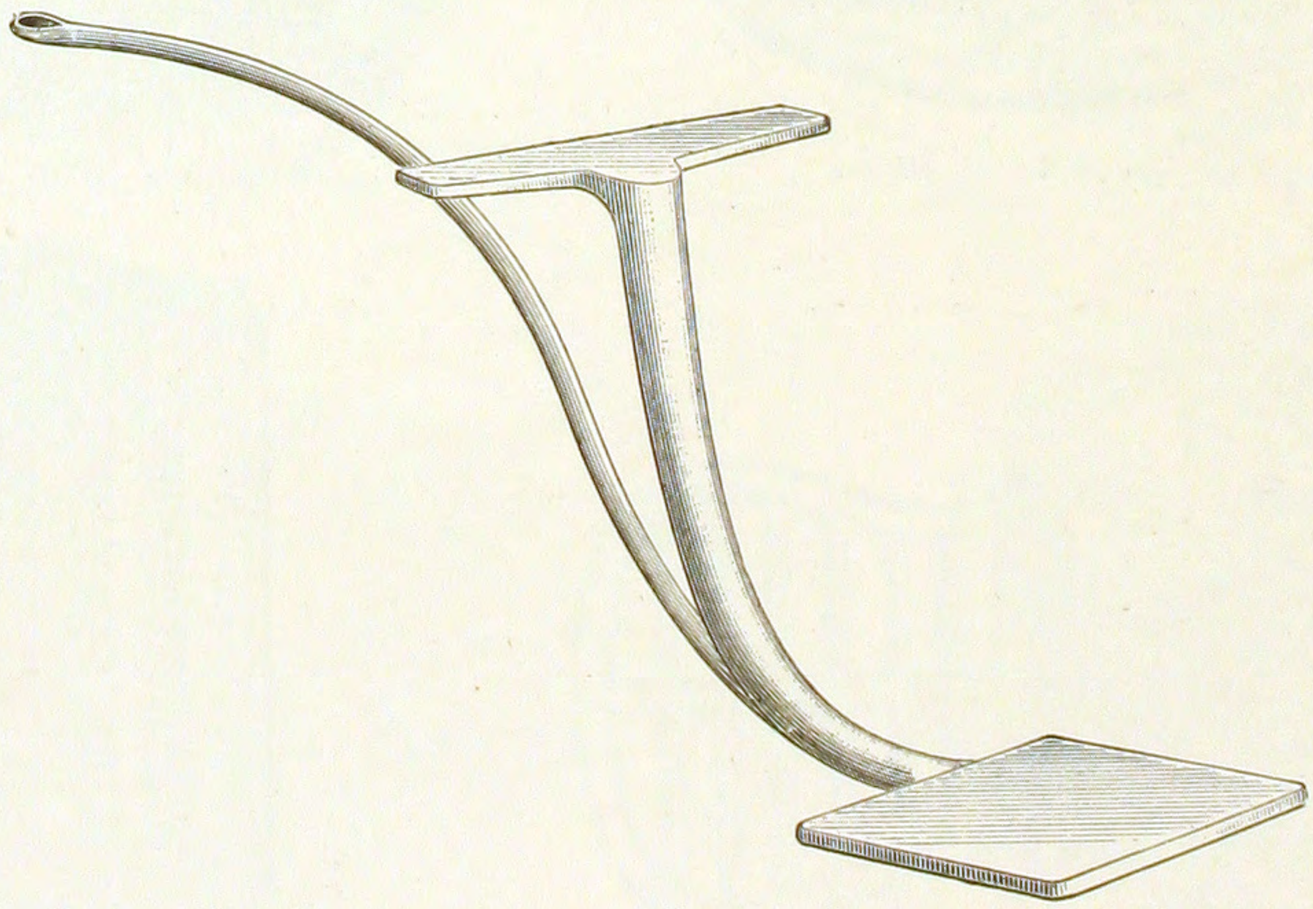
No. 18, 4 x 8½ in.

STEP PLATES.



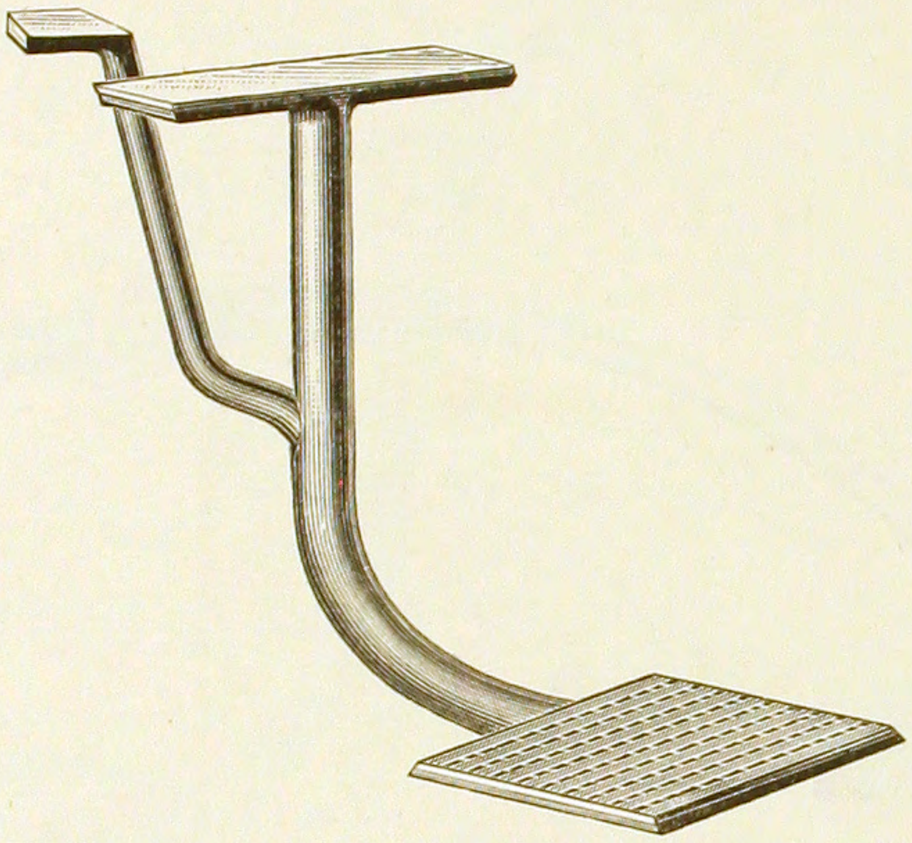
No. 424¾, ... 3¼ x 7¼ inches.

CARRIAGE STEPS.



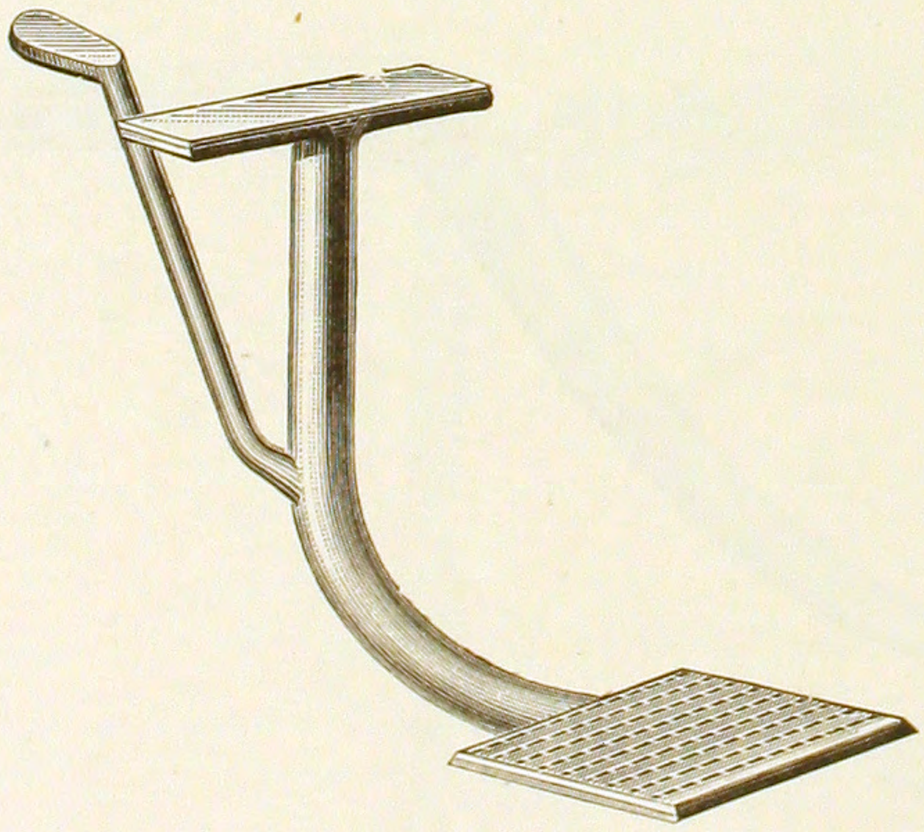
No. 48, ... 3 x 3½ inch pad ; 5⅝ inch drop.

CARRIAGE STEPS.



No. 46, ... 3⅜ x 3⅞ In. pad ; 6½ In. drop.

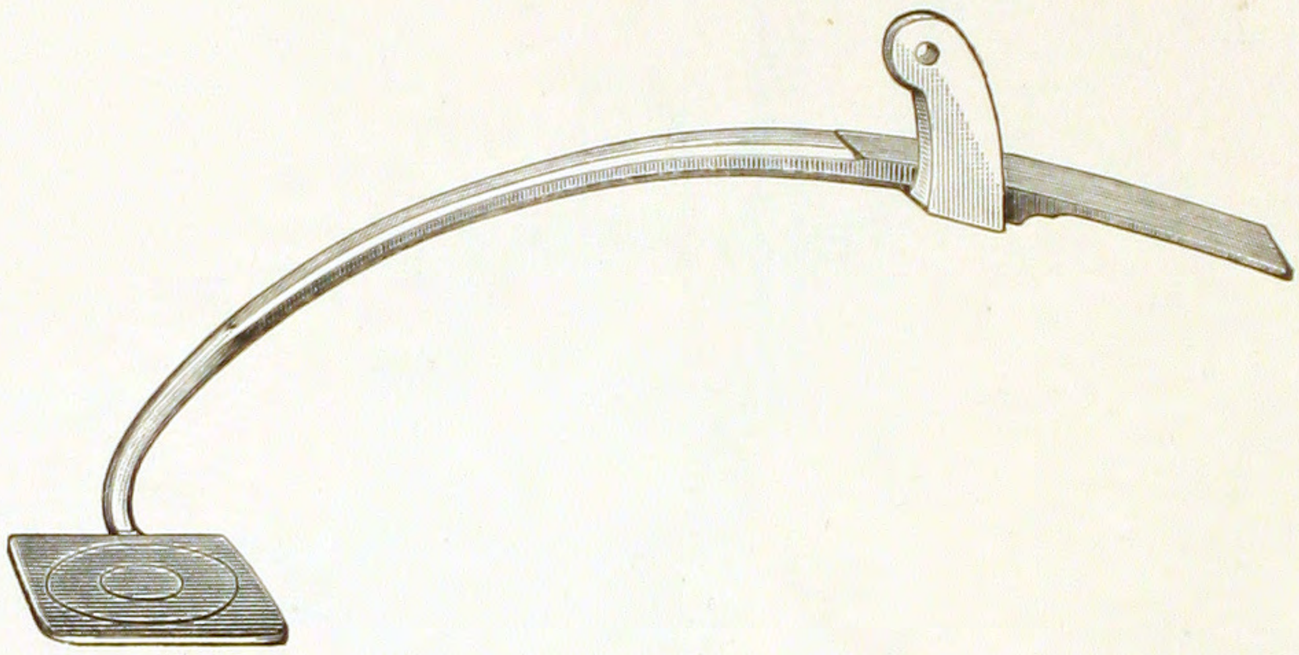
40 cents per pound.



No. 47, ... 3 x 3½ In. pad ; 5¾ In. drop.

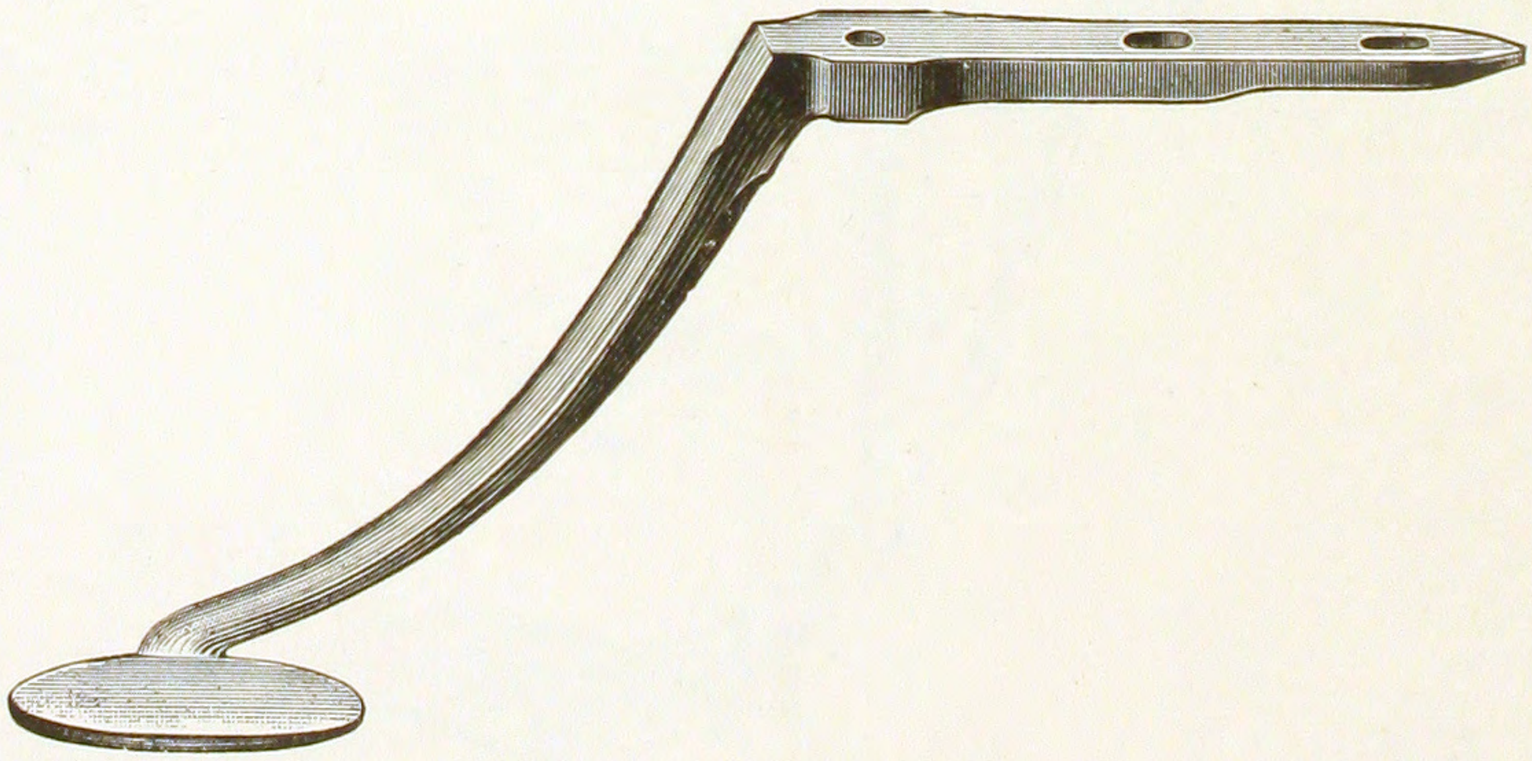
35 cents per pound.

CARRIAGE STEPS.



In Pairs—Right and Left.

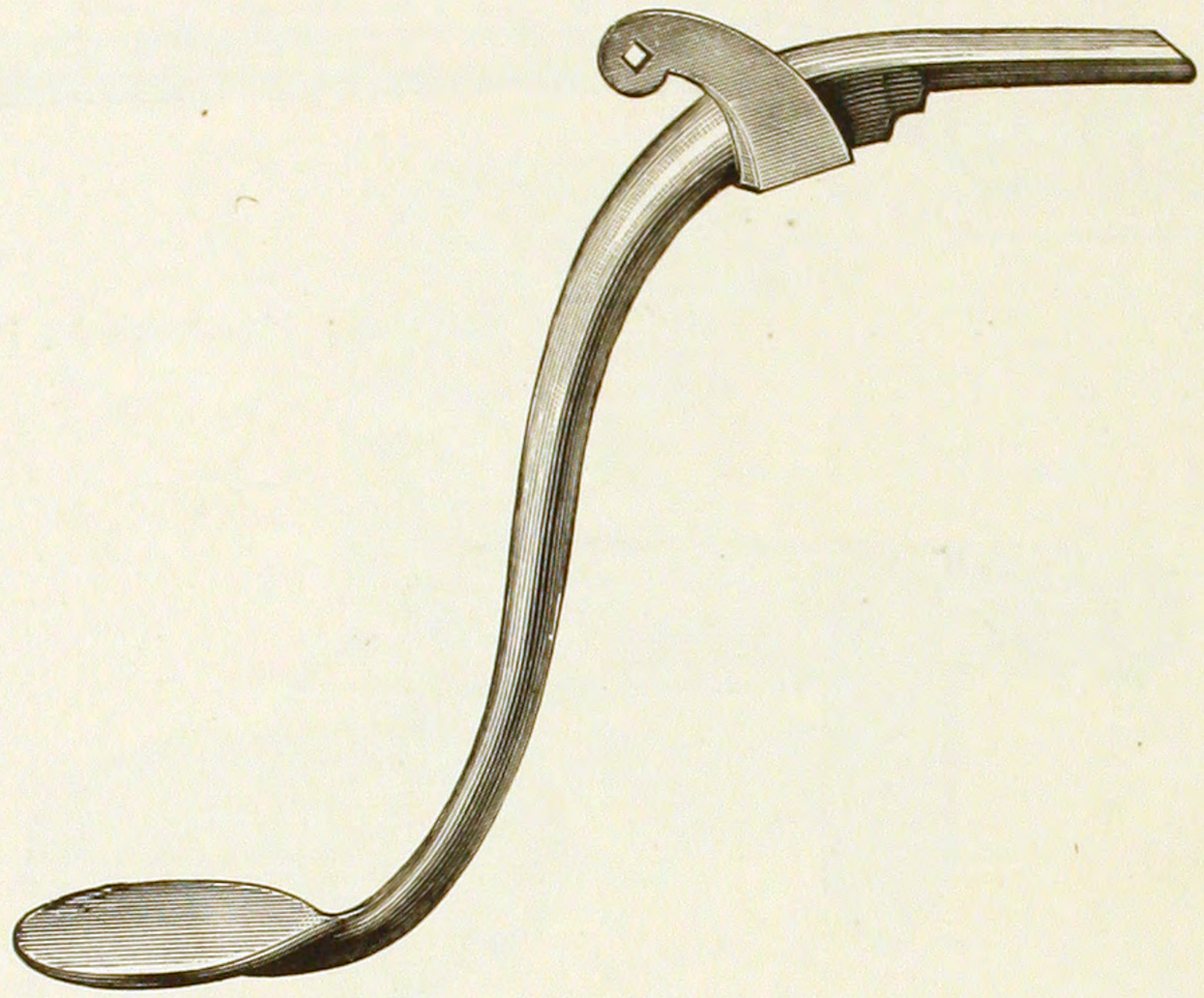
No. 50, ... 2 inch lip; 3⅛ x 3⅞ inch pad; 6 inch drop.



In Pairs—Right and Left.

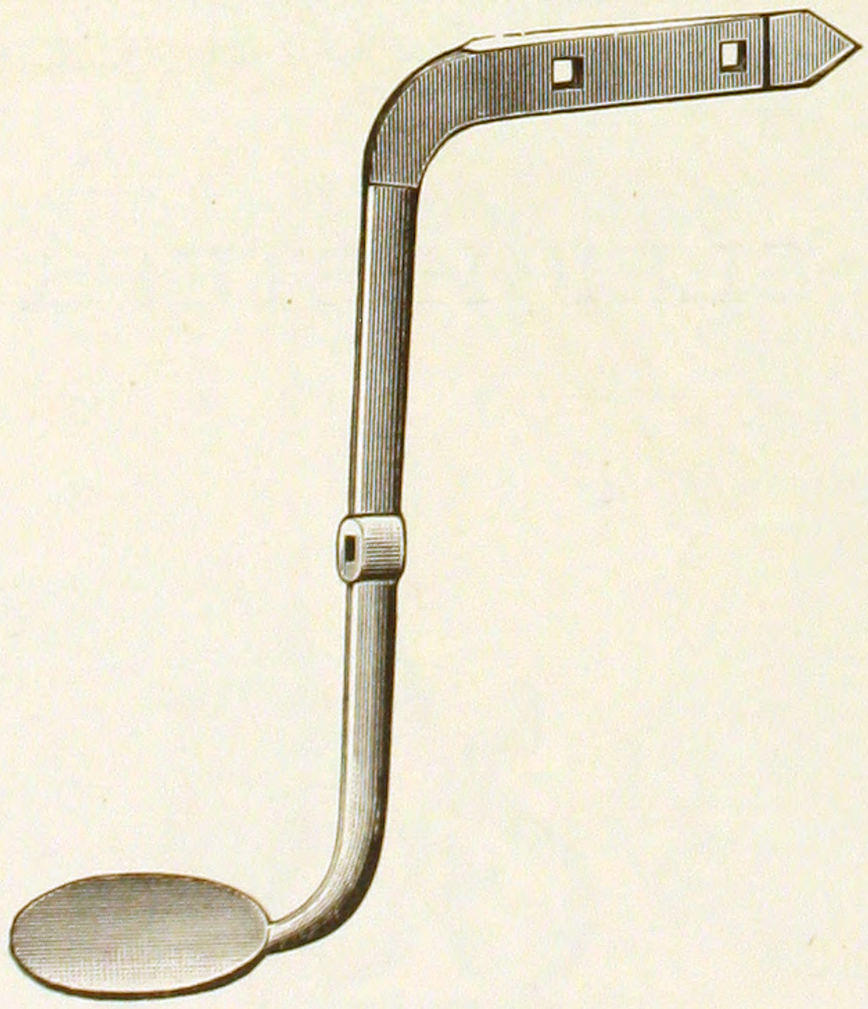
No. 51, ... 3¼ x 4¼ inch pad; 9 inch shank; 7¼ inch drop.

CARRIAGE STEPS.



In Pairs—Right and Left.

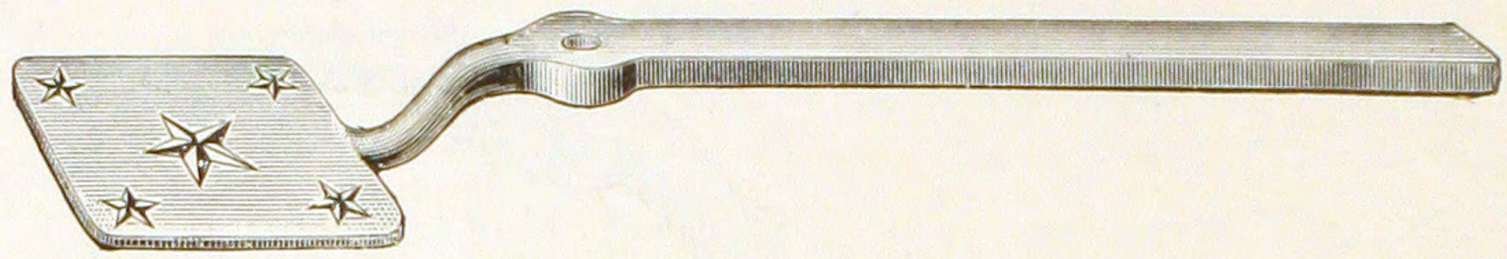
No. 52, ... 2¼ inch lip; 3½ x 3½ inch pad; 9 inch drop.
" 53, ... 2 " 3½ x 3½ " 9 "



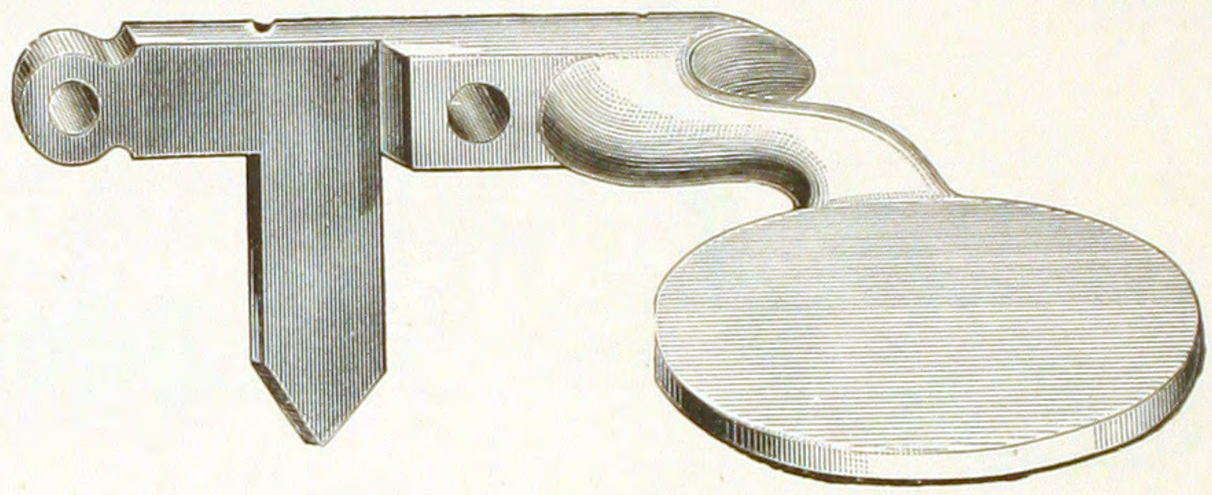
In Pairs—Right and Left.

No. 57, ... 3⅝ x 3⅝ inch pad; 10 inch drop; ⅜ inch hole

CARRIAGE STEPS.



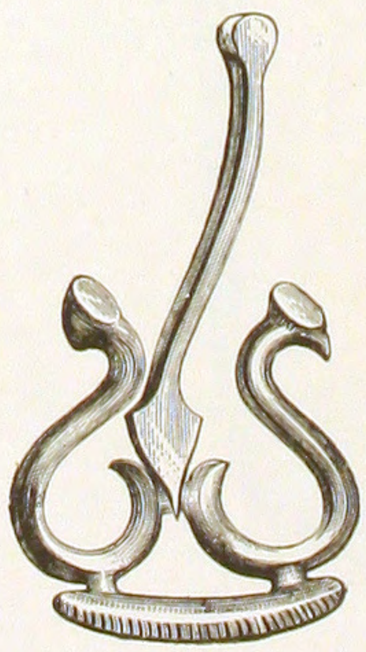
No. 58, ... 3½ x 3⅞ inch pad; 1¼ inch drop; 13 inch shank.
" 59, ... Round plate.



In Pairs—Right and Left.

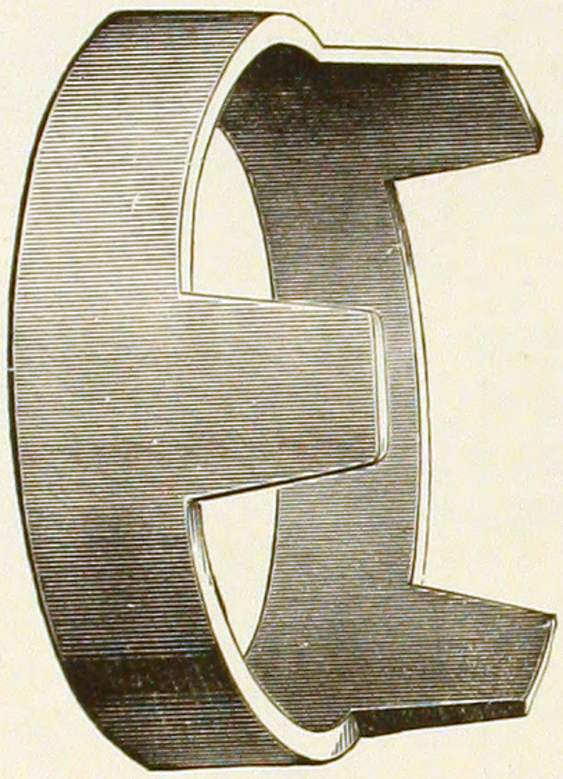
No. 60, ... 3 inch pad; ⅜ inch hole; 4½ inch shank.

SLEIGH STEPS.



No. 17, ... 10½ In. long; 5¼ In. wide.

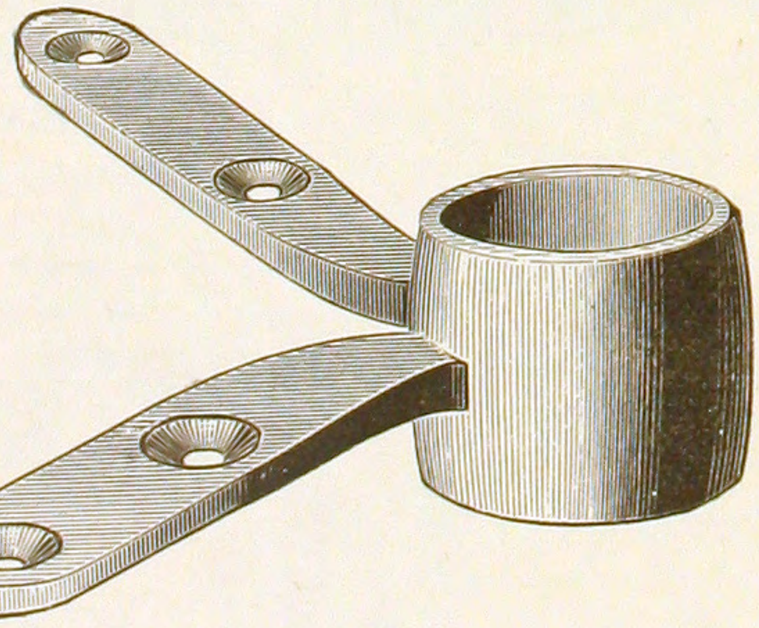
SAND BANDS.



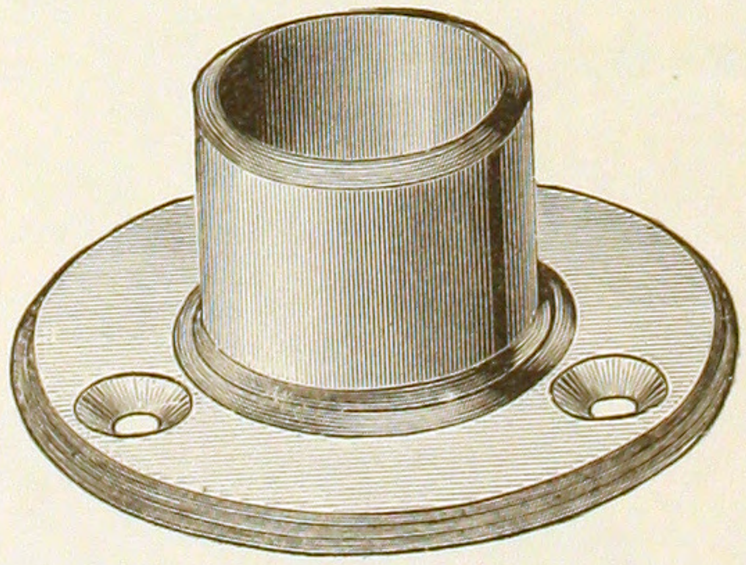
No. 1.

2 2¼ 2½ 2¾ 3 3¼ 3½ 4 4½ 4⅝ inches.

Umbrella Holder and Socket.

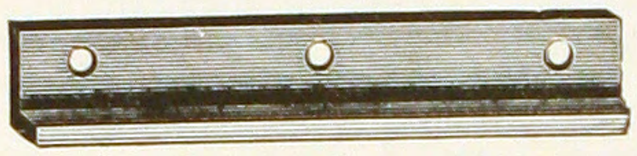


1⅜ inch hole.

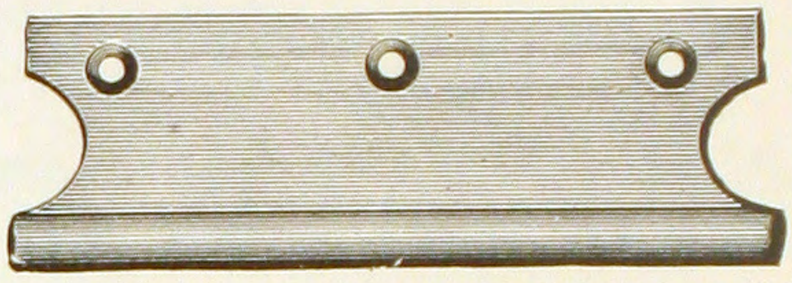


1⅛ inch socket.

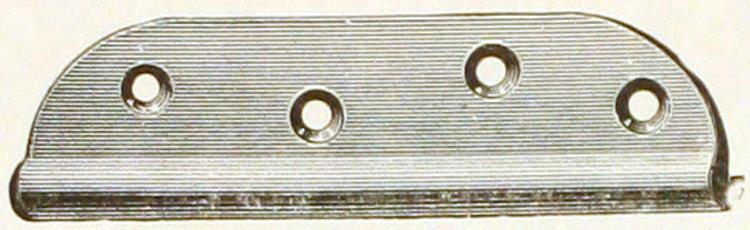
RUB IRONS.



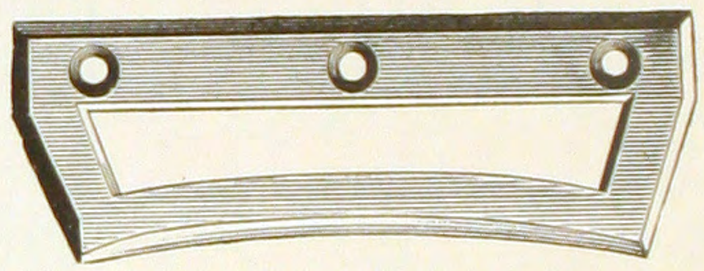
No. 2, 5½ inches long; ⅞ inch wide.



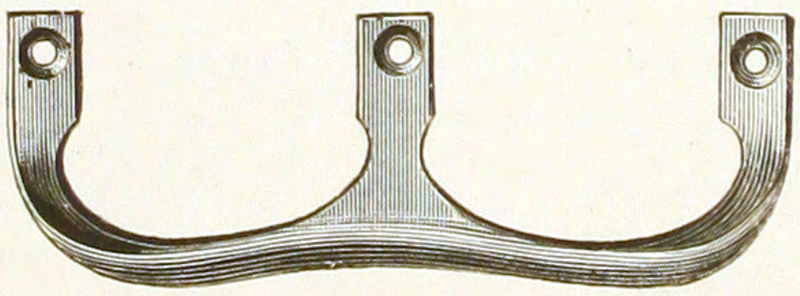
No. 4, 6¾ inches long; 2¼ inches wide.



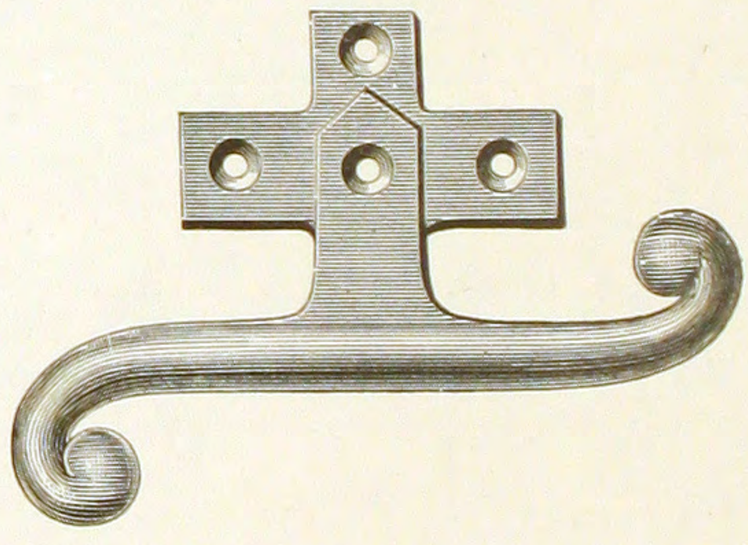
No. 5, 6 inches long; 1¾ inches wide.



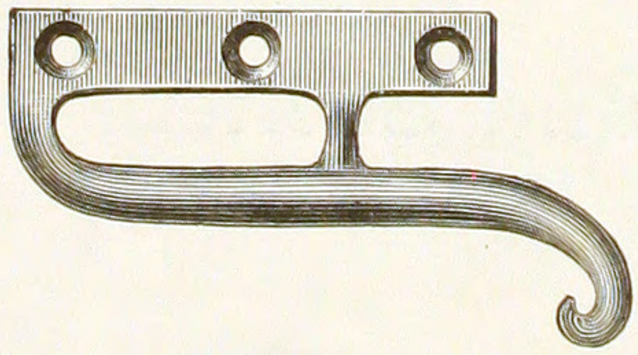
No. 10, 6 inches long; 2 inches wide.



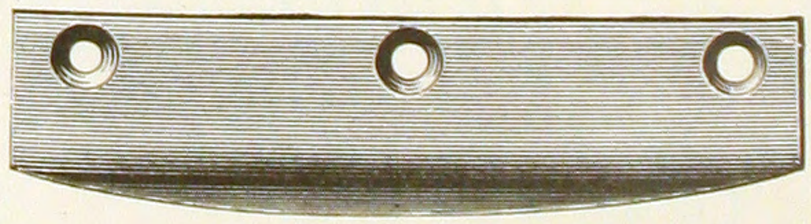
No. 11, 6½ inches long; 2 inches wide.



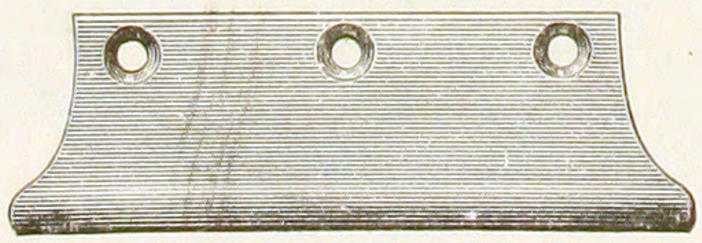
No. 14, 6½ inches long; 3 inches wide.



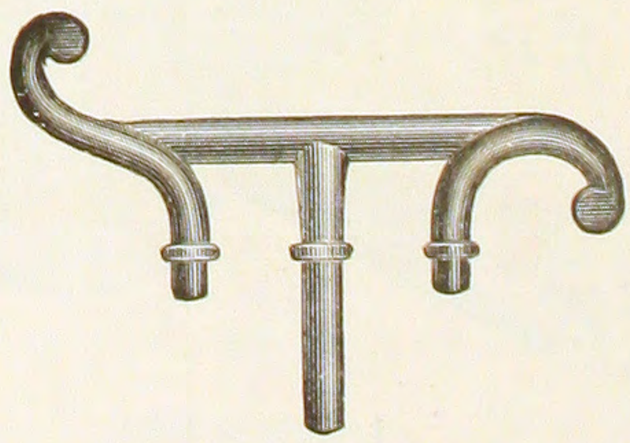
No. 17, 5½ inches long; 1¾ inches wide.



No. 19, 6½ inches long; 1¼ inches wide.

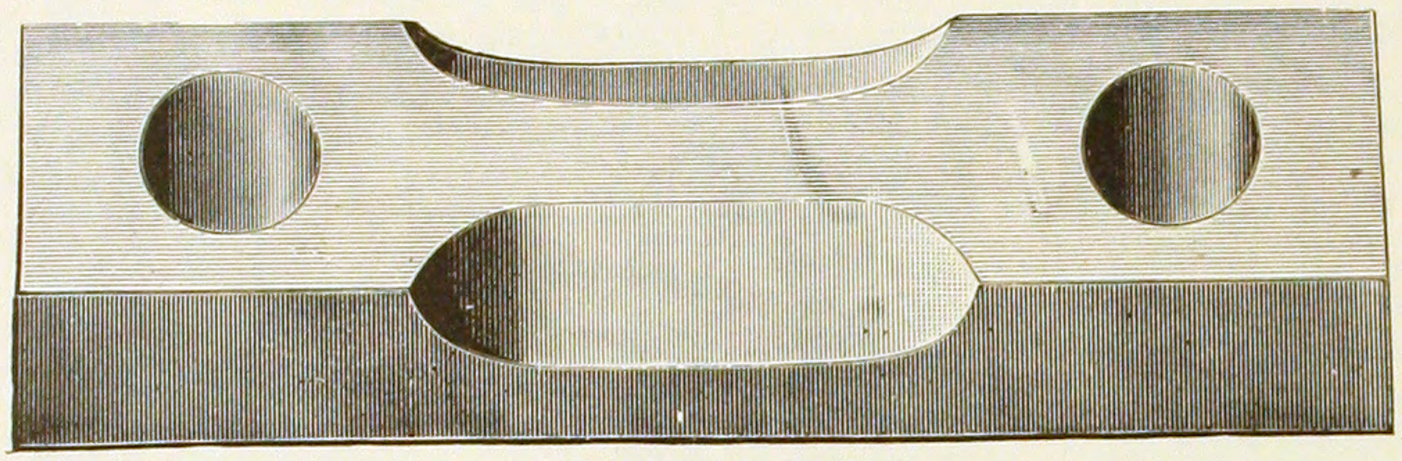


No. 20, 6 inches long; 1⅞ inches wide.



No. 21, 7 inches long; 1½ inches wide (from shoulder).

SPRING CLIP BARS.



No. 1.

1½	1¾	2	2¼	2½	2¾	3 inches between holes.
⅜	7/16	½	9/16	9/16	⅝	⅝ " hole.
½	⅝	⅝	11/16	11/16	¾	¾ " deep.

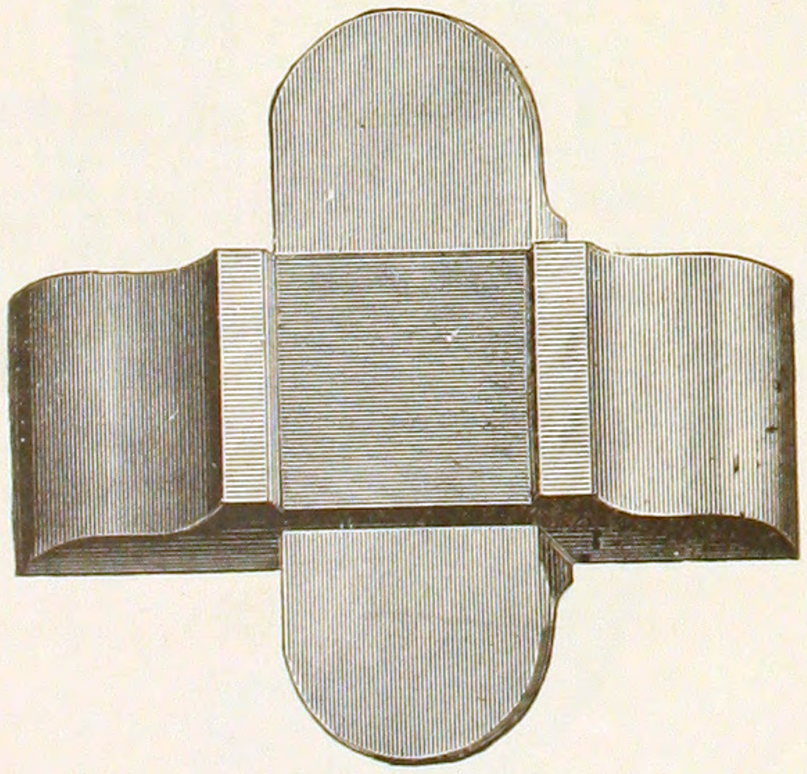
No. 2.

1½	1¾	2	2¼	2½	2¾	3 inches between holes.
⅜	7/16	½	9/16	9/16	⅝	⅝ " hole.
⅜	7/16	½	½	9/16	⅝	⅝ " deep.

No. 3.

2½	2¾	3	inches between holes.
⅝	11/16	¾	" hole.
¾	13/16	⅞	" deep.

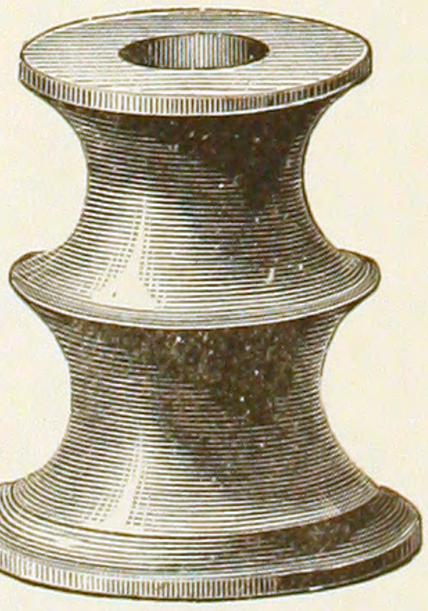
SPRING BLOCKS.



No. 2.

For 1½ 1¾ 2 inch springs.

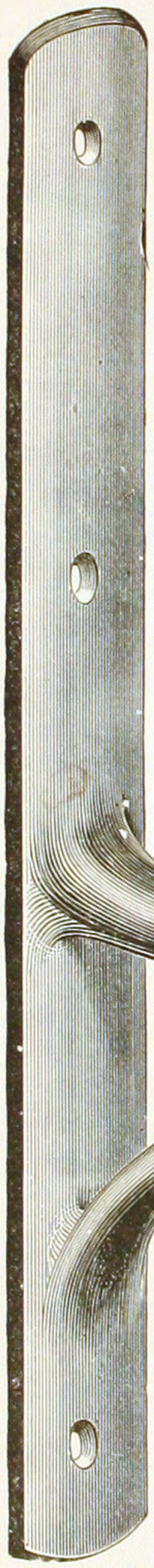
COLLARS.



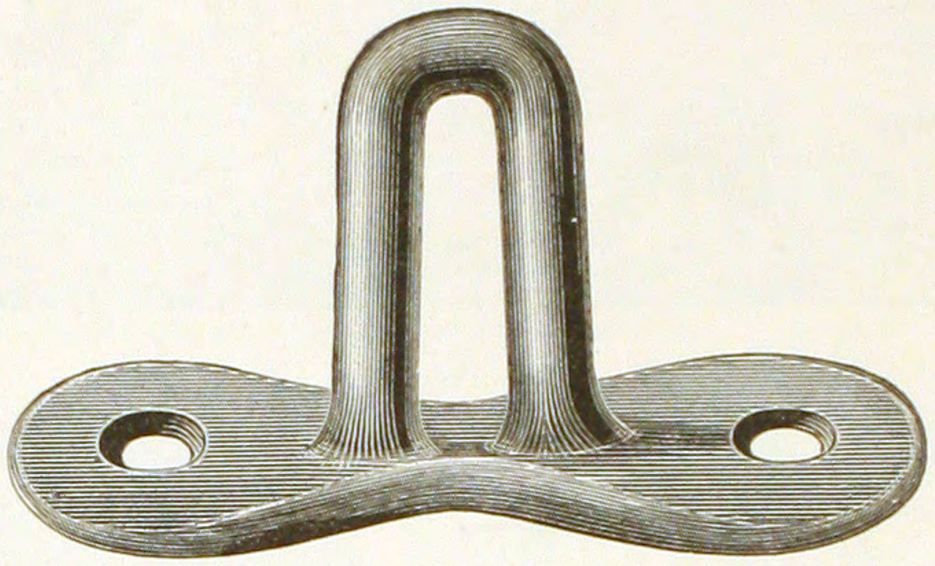
1⅛	1¼	1½	1¾	2	2¼	2½	2¾	3	3½	in. long.
7/16	½	½	½	½	½	½	9/16	9/16	⅝	" hole.

HOLDBACKS.

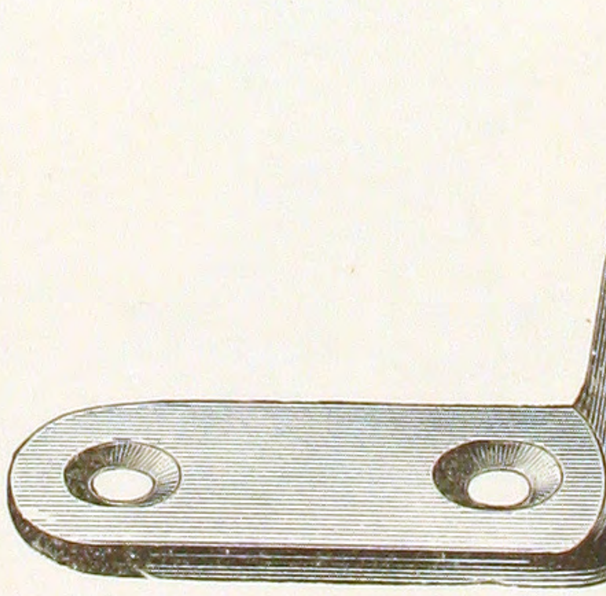
10 Pounds in a Box. Full Size Cuts.



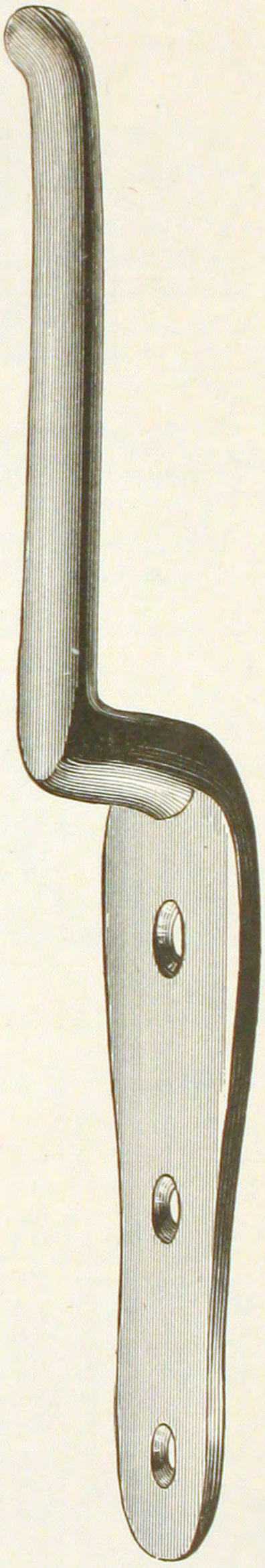
No. 1.



No. 7.



No. 3.

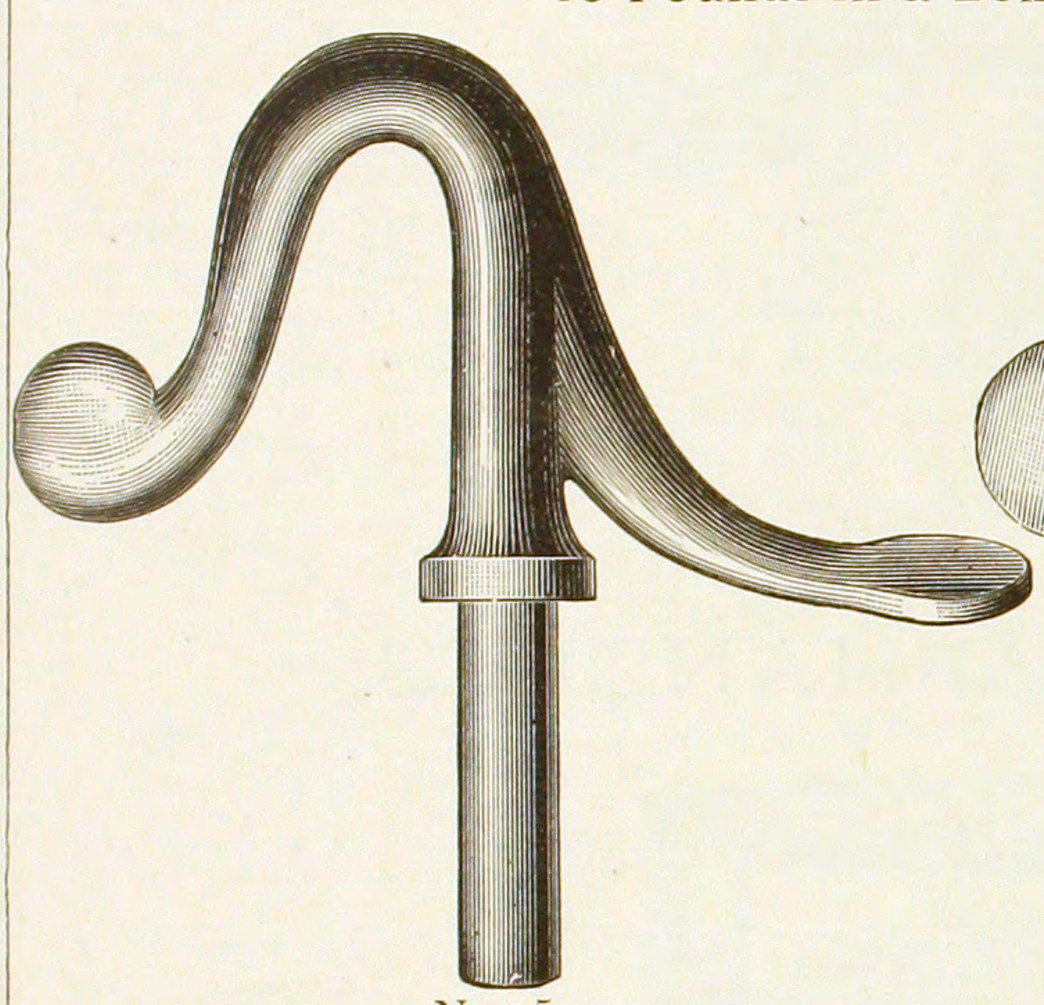


No. 2.

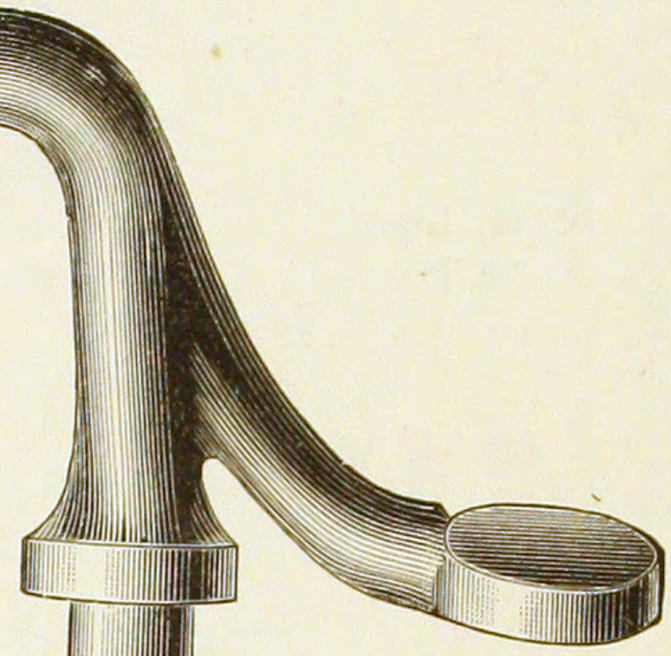
No. 4.

HOLDBACKS.

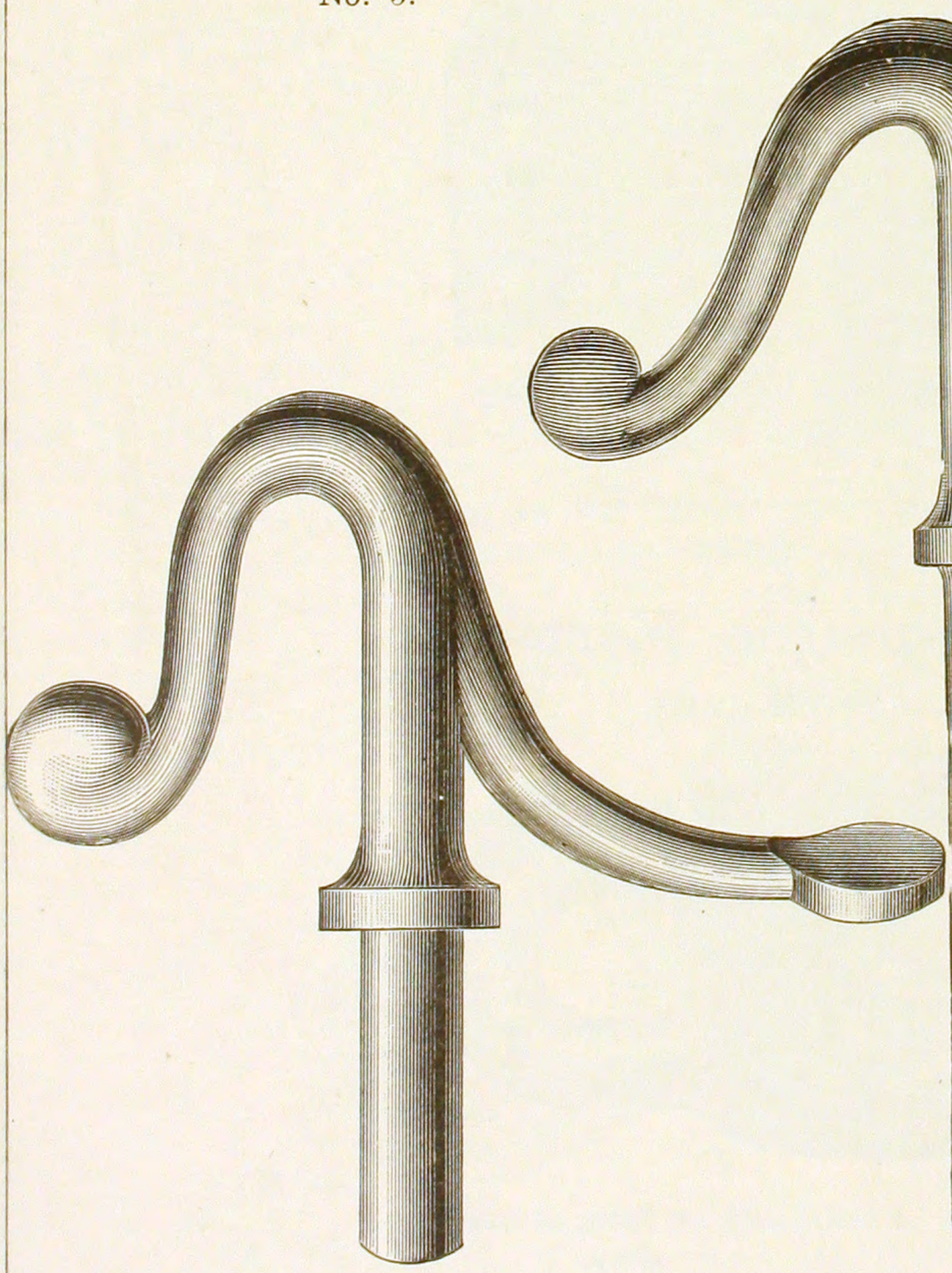
10 Pounds in a Box. Full Size Cuts.



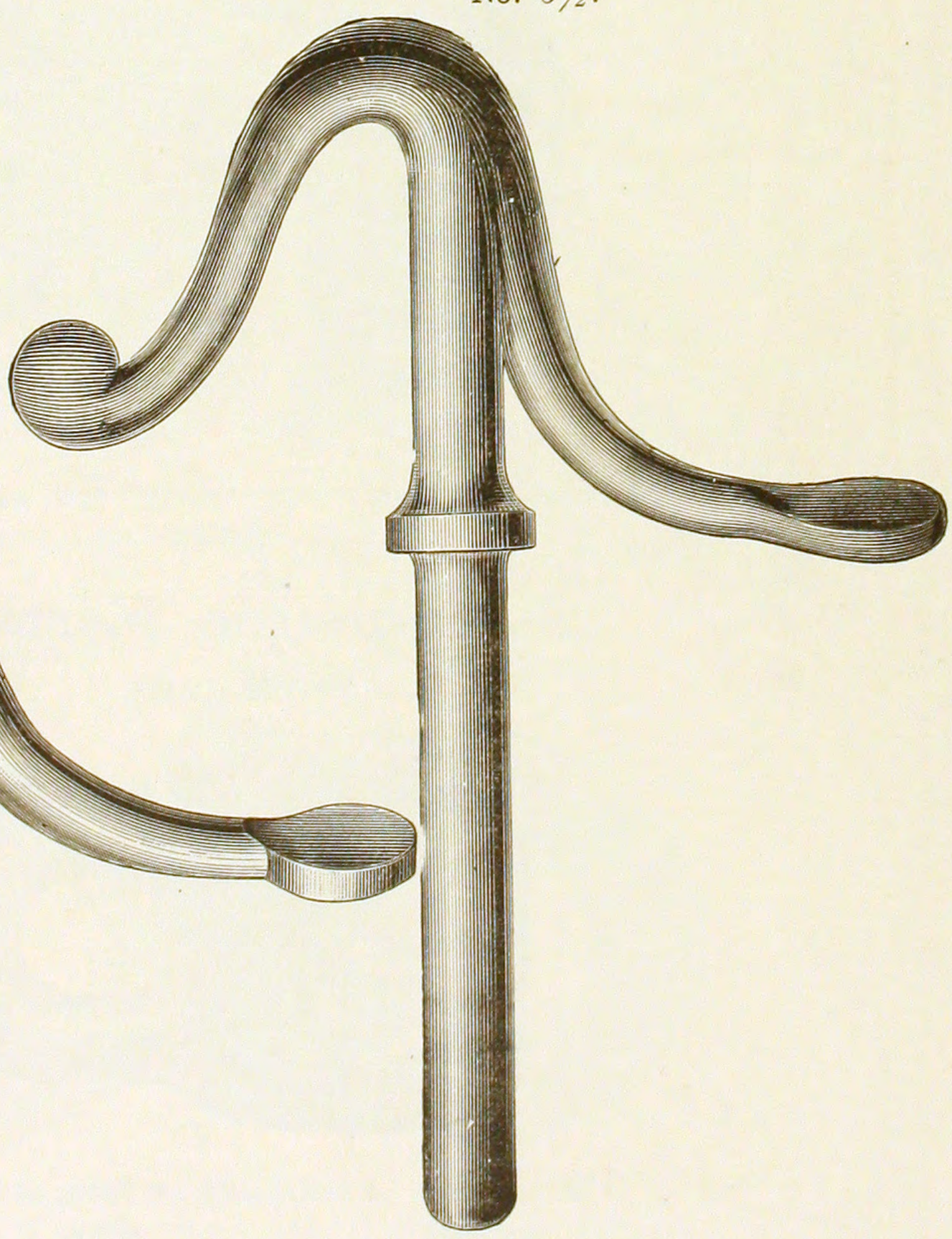
No. 5.



No. 5½.

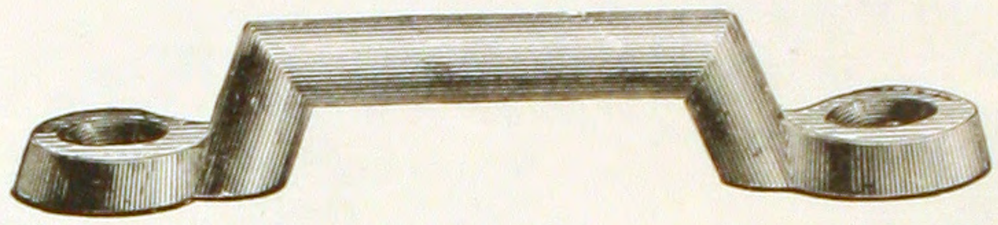


No. 5¾.



No. 6.

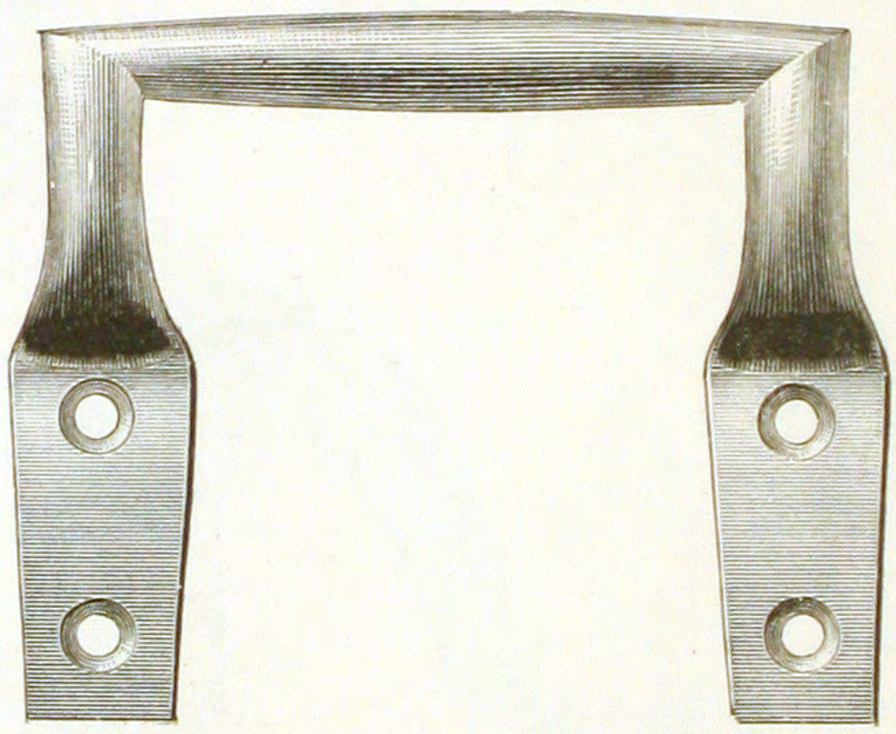
FOOTMAN LOOPS.



No. 1, Light, ...	⅞	1	1¼	1½ inch loop.
" 2, Heavy, ...		1¼	1½	2¾ "

10 pounds in a box.

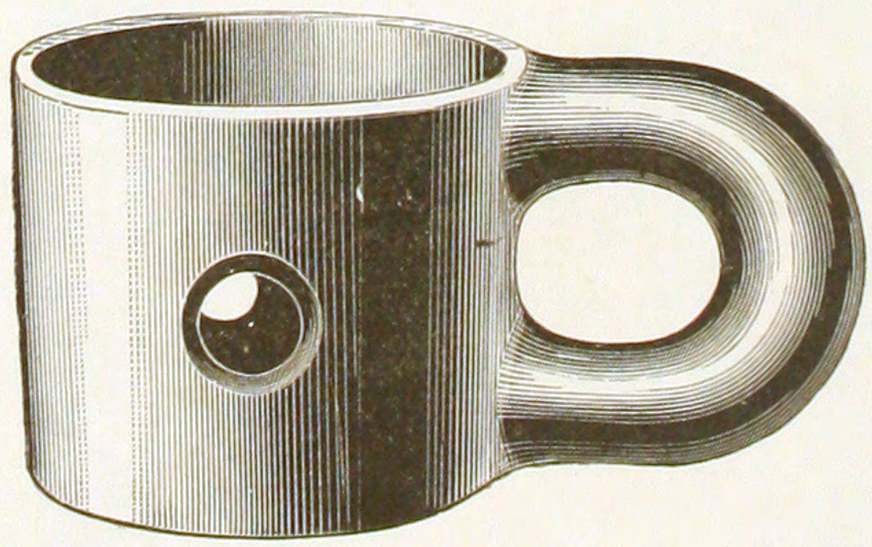
FOOT BOARD HANDLES.



3½ inches wide inside ; 5 inches long.

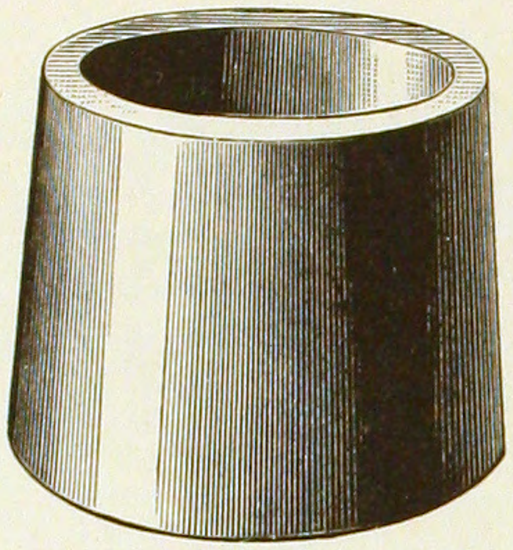
Swingletree Ferrules.

WITH EYES.



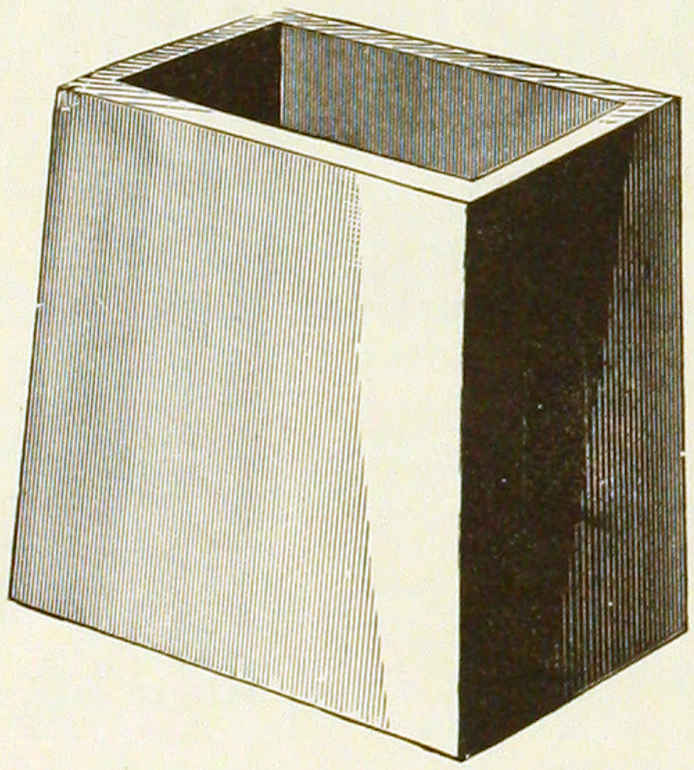
1¼	1⅜	1½	inches inside at large end.
1⅜	1⅜	1½	" deep.

Round Ferrules.



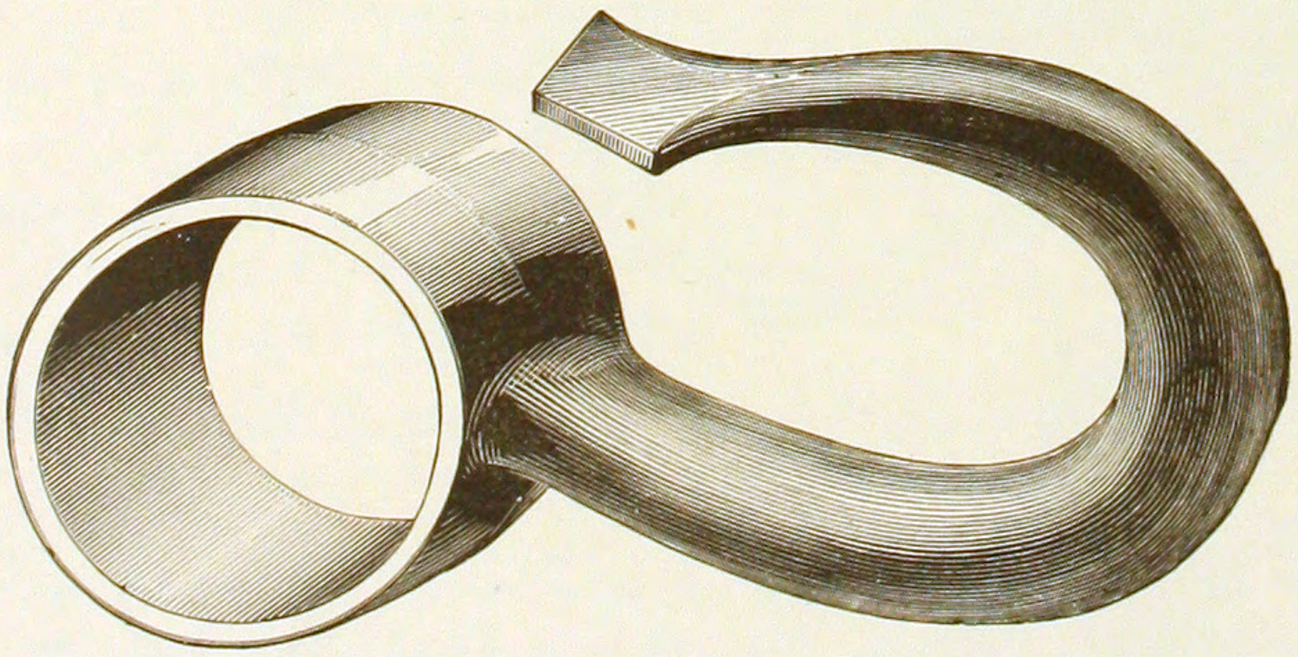
⅝ ¾ ⅞ 1 1⅛ 1¼ 1⅜ 1½ 1⅝ 1¾ 2 inches inside at large end.
¾ ⅞ 1 1⅛ 1¼ inches closed end.
10 pounds in a box.

Square Ferrules.



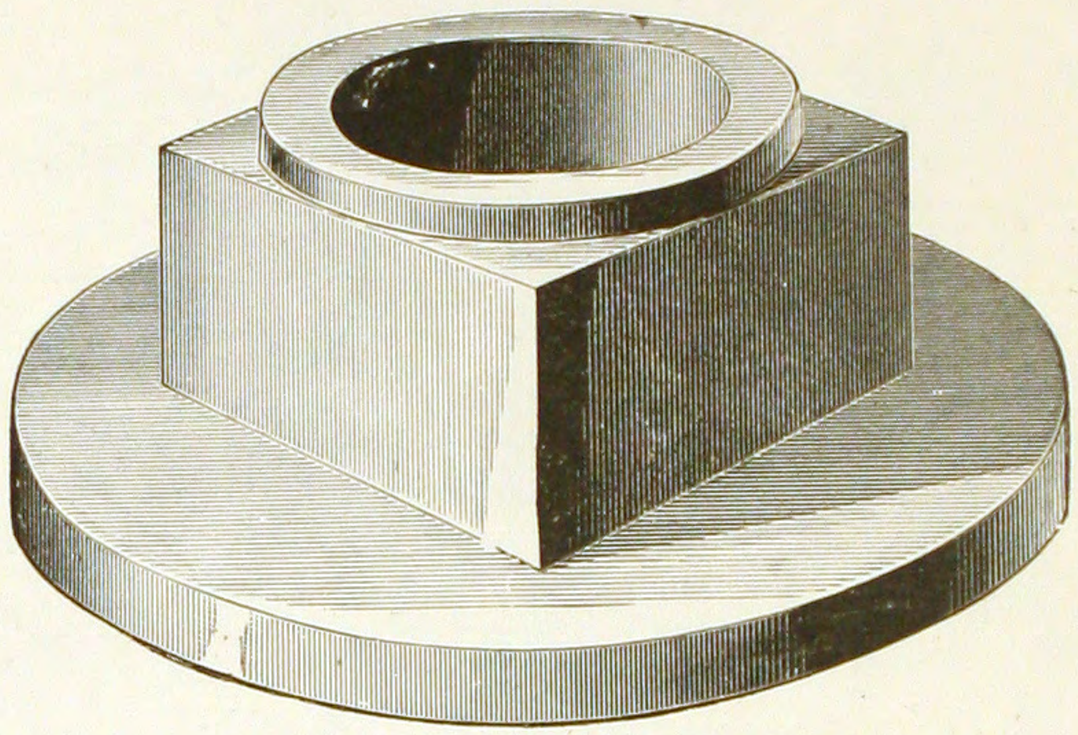
1 1⅛ 1¼ 1⅜ inches at large end.
All sizes 1½ inches deep. 10 pounds in a box.

Hook Ferrules.



In Pairs—Right and Left.
1⅛ 1¼ 1½ inches.

AXLE NUTS.



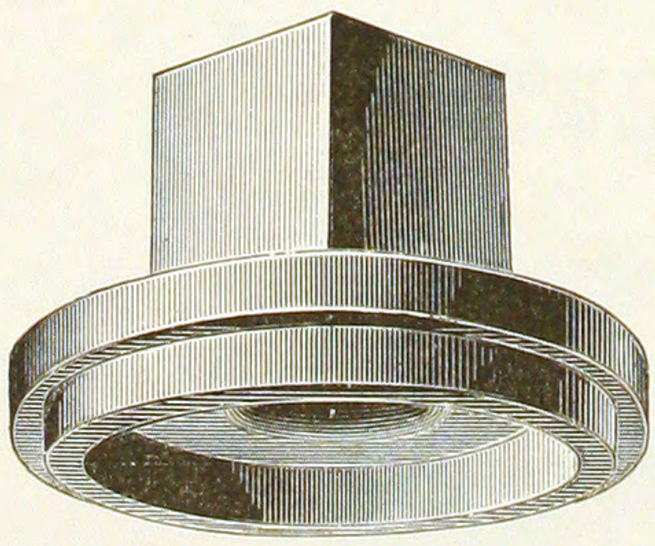
Nos.	30	31	31½	32	33	35	36	37	38	39	40	41	42	43	44	45	
	¾	13/16	¾	⅞	1⅛	1¼	1 5/16	1 5/16	1½	1	1 1/16	1½	1⅛	1 1/16	15/16	1¼	inches size of hole.
	1 3/16	1¼	1¼	1⅜	1 9/16	1 13/16	1 15/16	2 1/16	2 5/16	1 9/16	1⅝	2	1 9/16	1⅝	1⅜	1 11/16	" square.
	2 1/16	2 5/16	2 5/16	2⅝	3	3½	3 11/16	4	4⅜	3 1/16	3 3/16	3 15/16	3	3 1/16	2⅝	3⅛	" flange.

Nos. 30 and 31 with or without rim.

Plain Open End.

Nos.	1	2	3	
	1	1⅛	1¼	inch axles.
	⅝	11/16	¾	" size of hole.
	15/16	1 1/16	1¼	" " square.
	1⅝	1 13/16	2	" " flange.

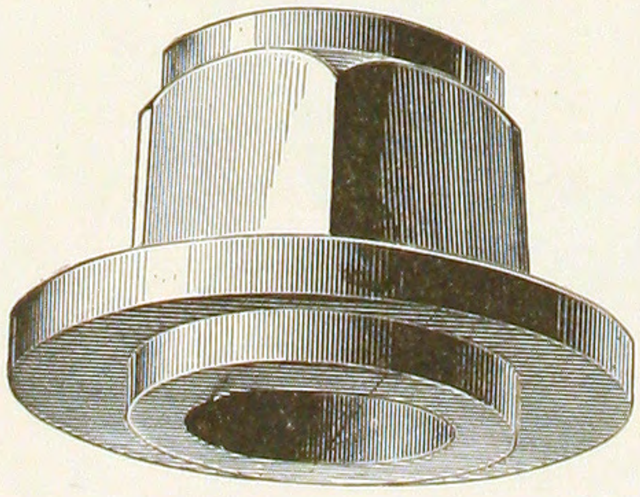
Nos. 2 and 3 with or without rim.



CAP NUTS, WITH RIM.

Nos.	6	7	8	9	10	11	12	
	½	9/16	21/32	¾	25/32	13/16	13/16	inches size of hole.
	¾	⅞	1	1⅛	1¼	1⅜	1⅜	" " square.
	1 7/16	1 19/32	1¾	1 15/16	2 3/16	2¼	2½	" " flange.

CAP NUTS, WITHOUT RIM.



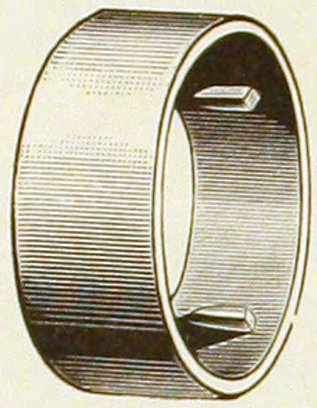
Nos.	17	18	19	20	21	22	
	9/16	21/32	¾	25/32	13/16	13/16	inches size of hole.
	⅞	1	1⅛	1¼	1⅜	1⅜	" " square.
	1⅝	1¾	1 13/16	2⅛	2¼	2½	" " flange.

HEXAGON.

Nos.	50	51	52	53	54	
	½	9/16	⅝	11/16	¾	inches size of hole.
	13/16	15/16	1	1⅛	1 3/16	" " hexagon.
	1½	1⅝	1¾	1⅞	2 7/32	" " flange.

Shaw's Patent Ferrules.

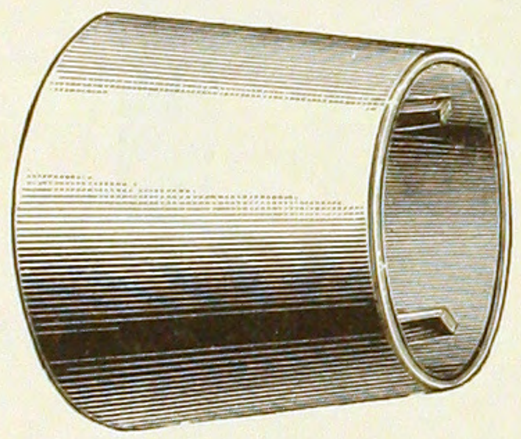
NARROW, FOR HANDLES.



½ ⅝ ¾ ⅞ 1 1⅛ 1¼ 1⅜ 1½ inches.

10 pounds in a box. 17 cents per pound.

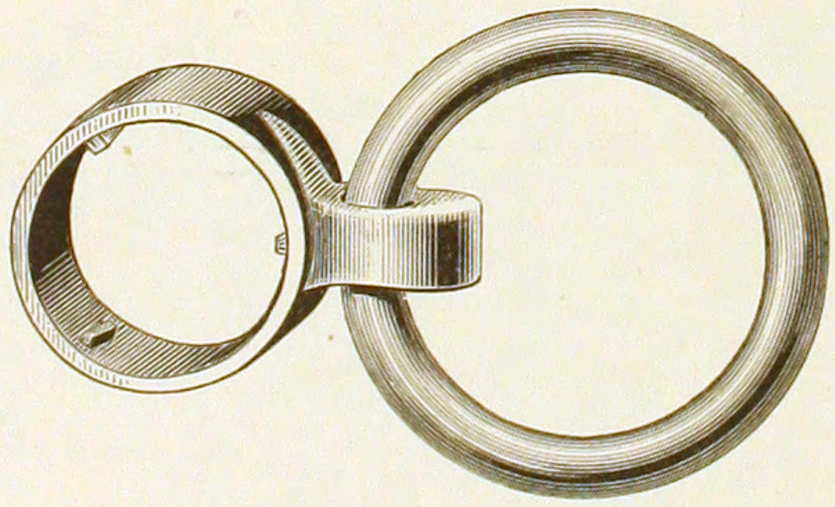
WIDE, FOR SWINGLETREE.



¾ ⅞ 1 1⅛ 1¼ 1⅜ 1½ inches at large end.

10 pounds in a box. 14 cents per pound.

Swingletree Ferrules with Rings.

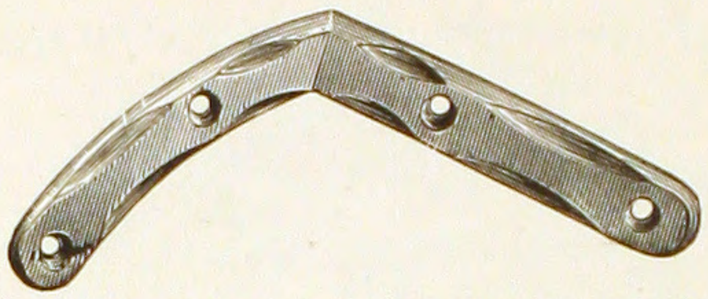


1⅜ 1½ 1⅝ 1¾ inches at large end.

12 cents per pound.

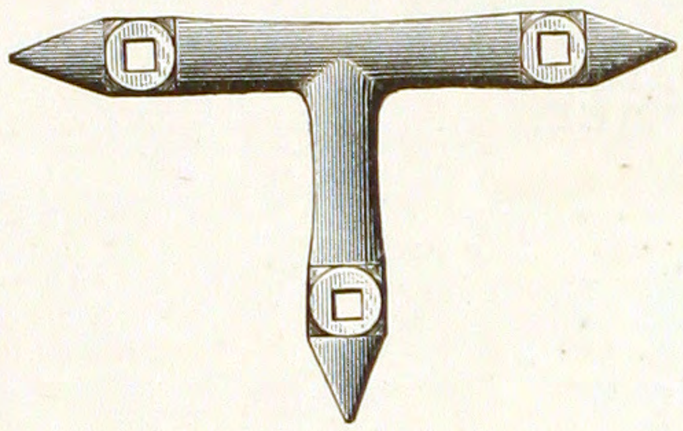
These Ferrules have three ribs on the inside, which do not come to the end. The ribs compress the wood and as soon as they have passed the wood closes again, thus holding the Ferrules in place.

Bevel Corner Plates.

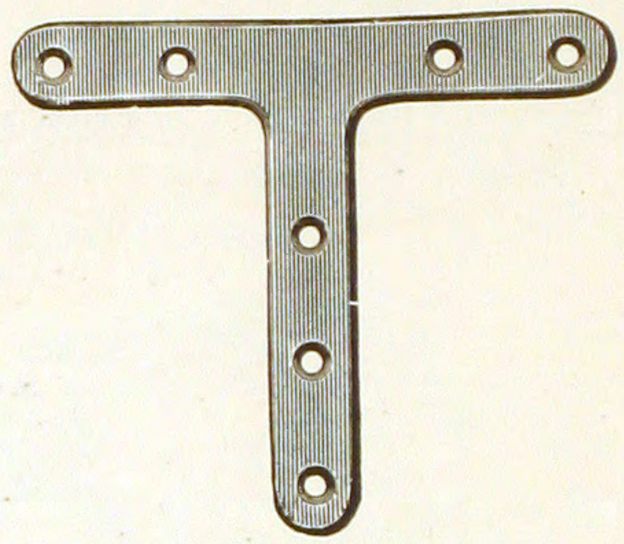


3½ inch long; ⅝ inch wide. 10 pounds in a box.

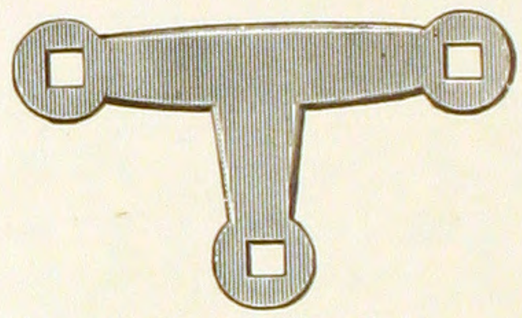
T Plates.



6½ x 4 inches.

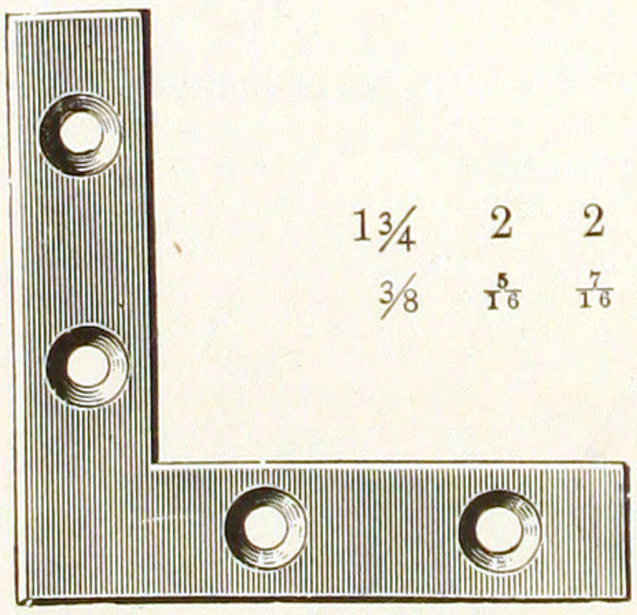


4½ x 5 inches.
10 pounds in a box.



2½ x 4¼ inches.
In pairs, Right and Left.

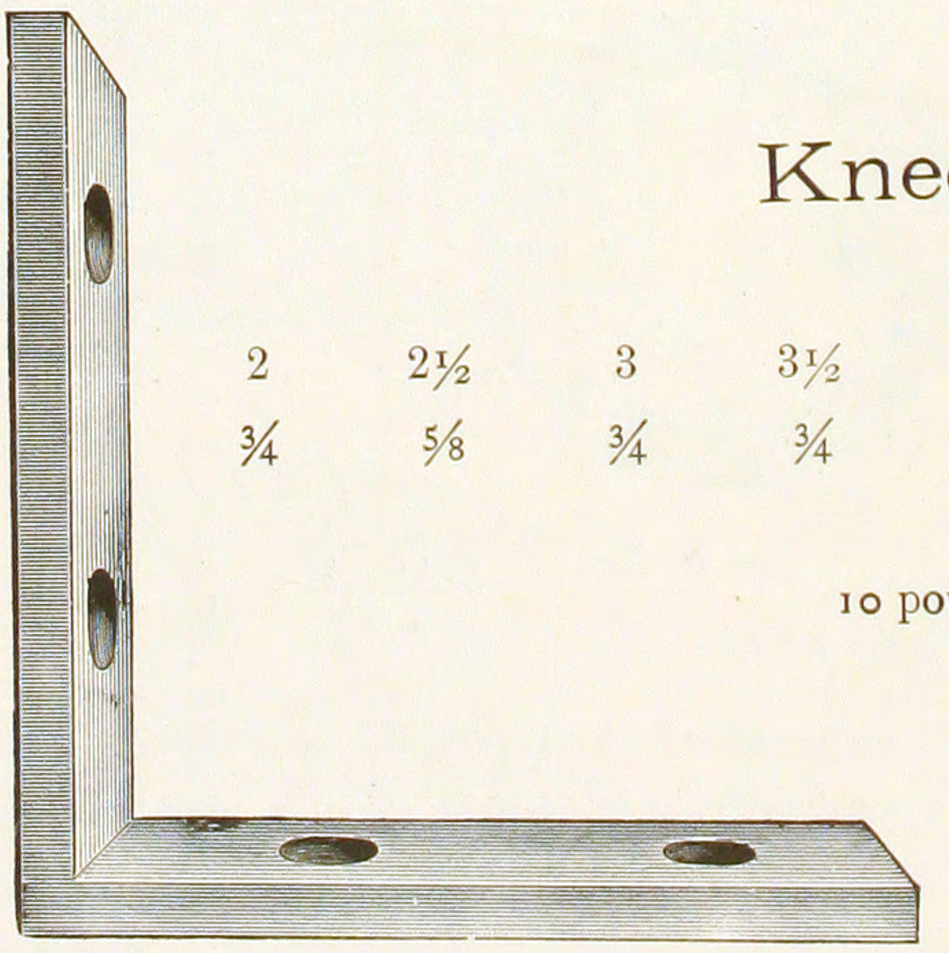
Corner Plates.



1¾	2	2	2¼	2½	2¾	3½	4	4¼	4½	inches long.
⅜	5/16	7/16	7/16	½	½	¾	¾	¾	¾	" wide.

10 pounds in a box.

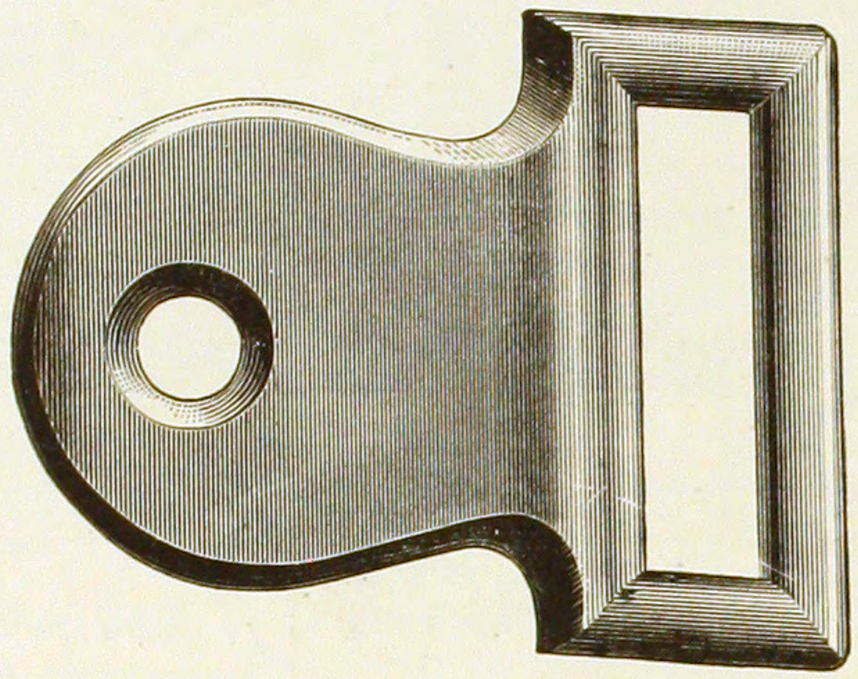
Knee Plates.



2	2½	3	3½	4¼	4½	6 inches long.
¾	⅝	¾	¾	15/16	1	1⅛ " wide.

10 pounds in a box.

Single Check Loops.

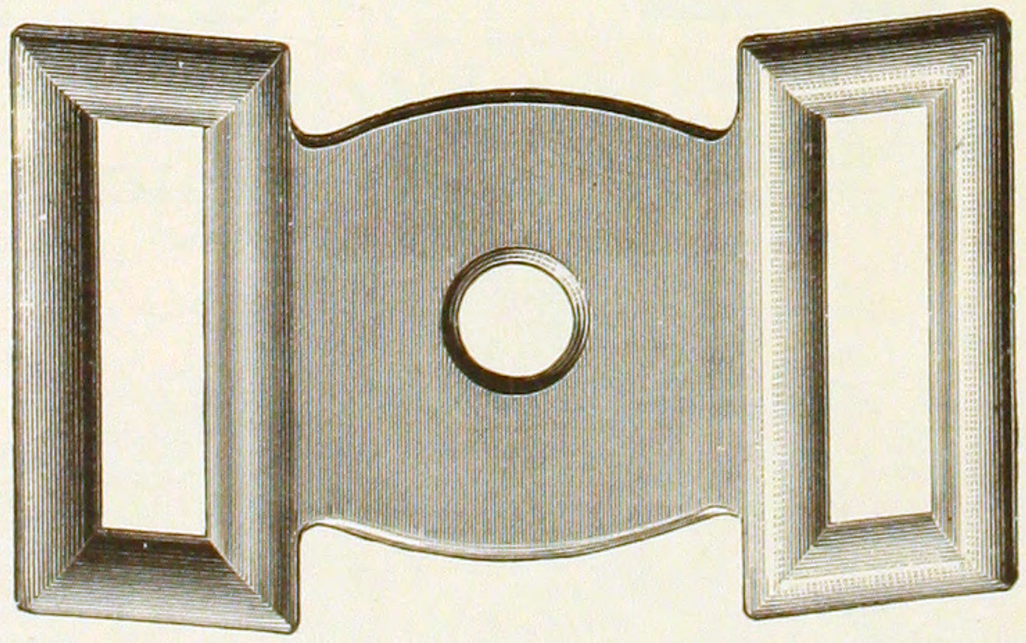


No. 1.

No. 1, Square loop, ...	5/8	1	1 1/8	1 1/4	inch loop.
" 2, Oval "		3/4	7/8	1	"

10 pounds in a box.

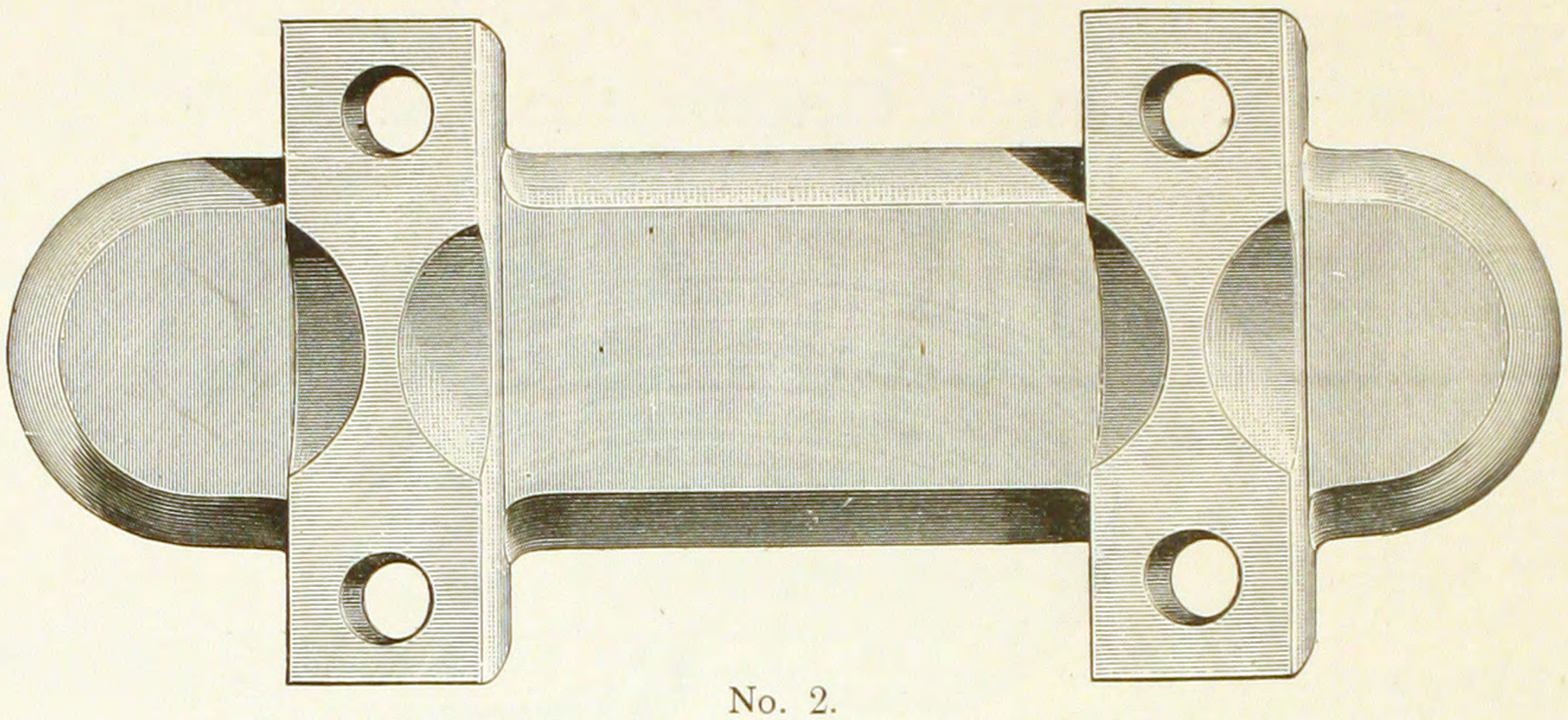
Double Check Loops.



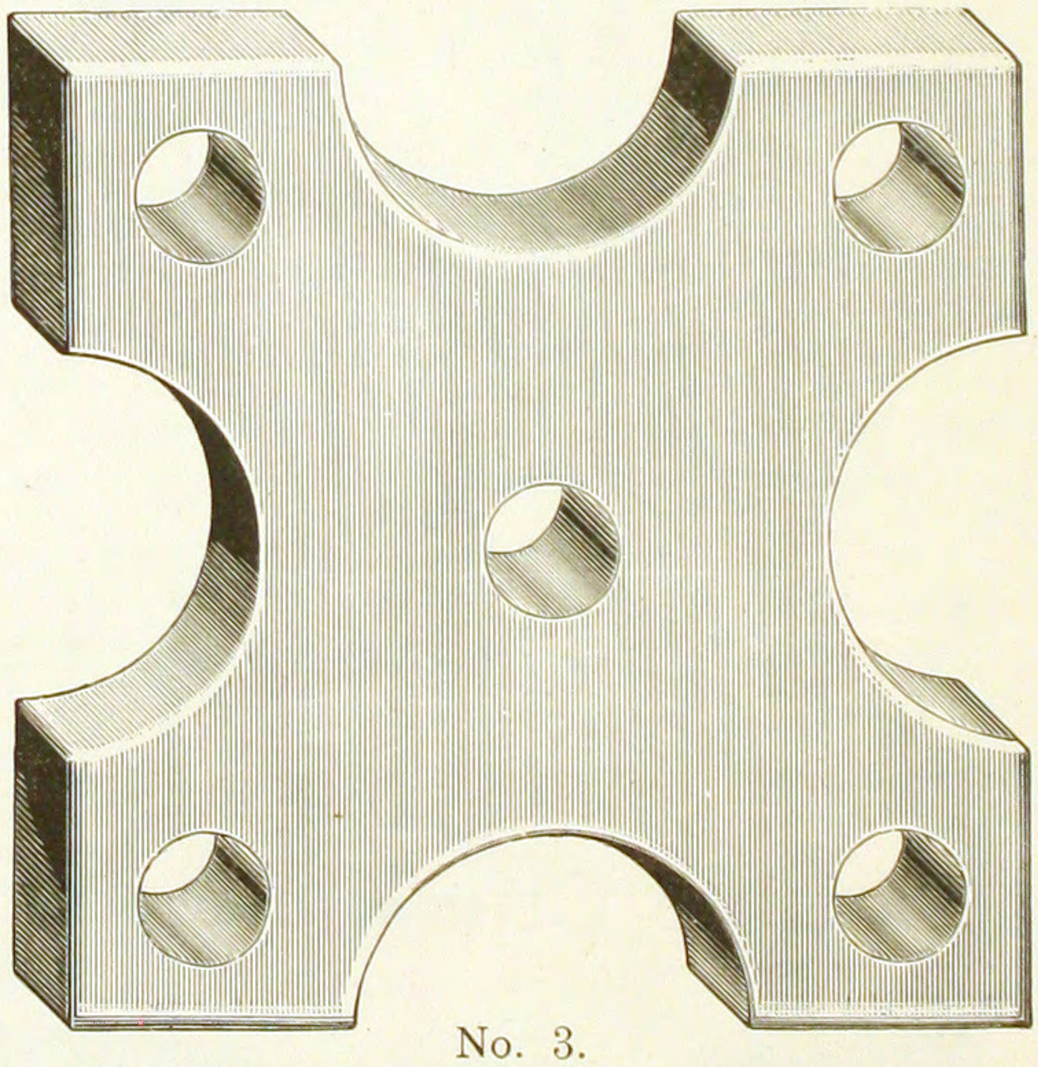
7/8	1	1 1/8	1 1/4	1 1/2	inch loop.

10 pounds in a box.

Spring Clip Plates.

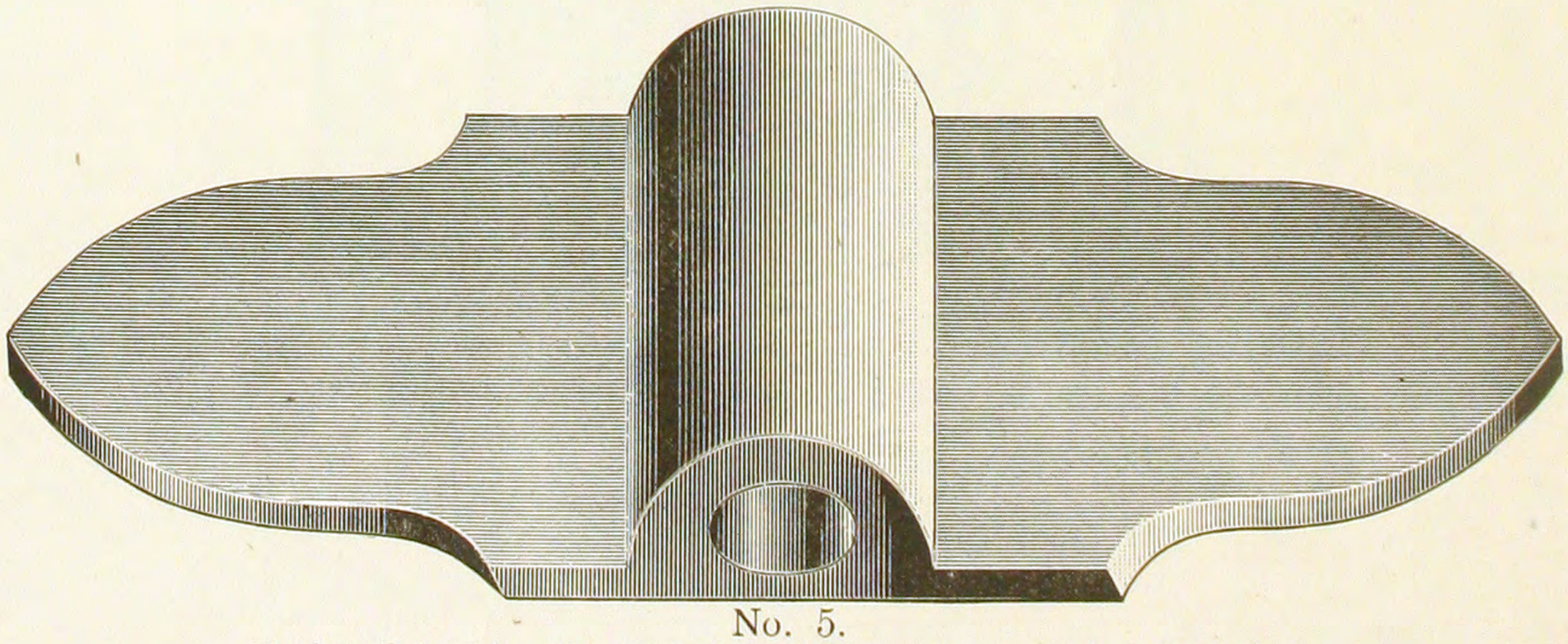


No. 2.
1¼ 1⅜ 1½ inch between holes; ¼ 5/16 ⅜ inch holes.



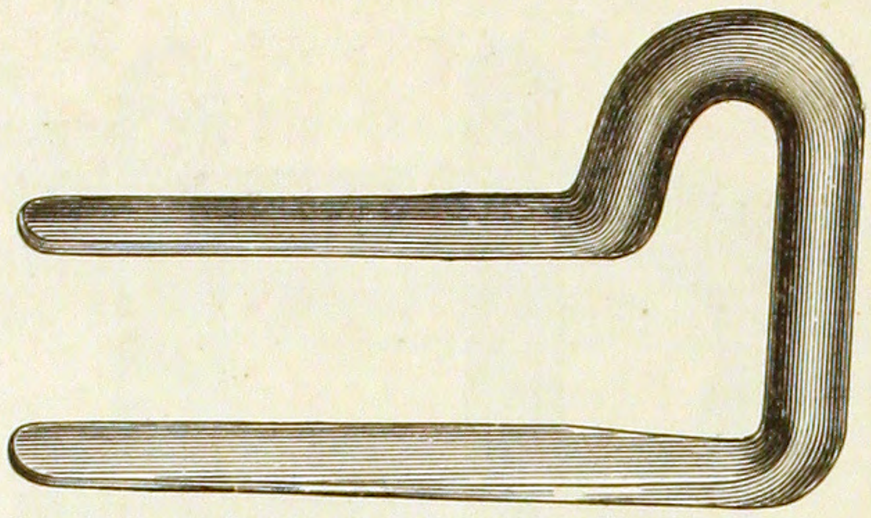
No. 3.
1½ 1¾ 2 2¼ inch between holes; ⅜ 7/16 7/16 7/16 inch holes.

Swingletree Plates.



No. 5.
1½ 1¾ inches wide; 5⅜ 5¾ inches long; ½ 9/16 inch holes.

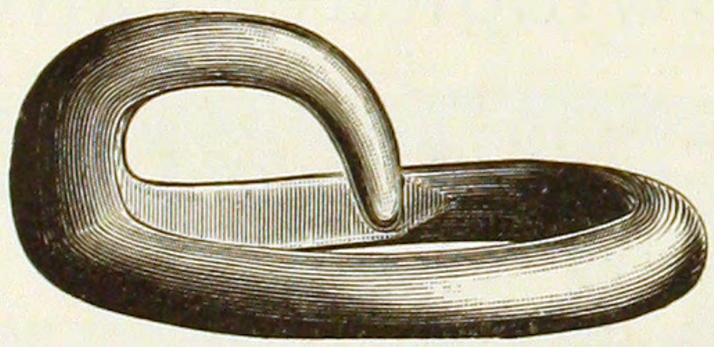
Whiffletree End Irons.



No. 625.

1¼ inches between clips; ⅞ inches wide; 5 inches long.

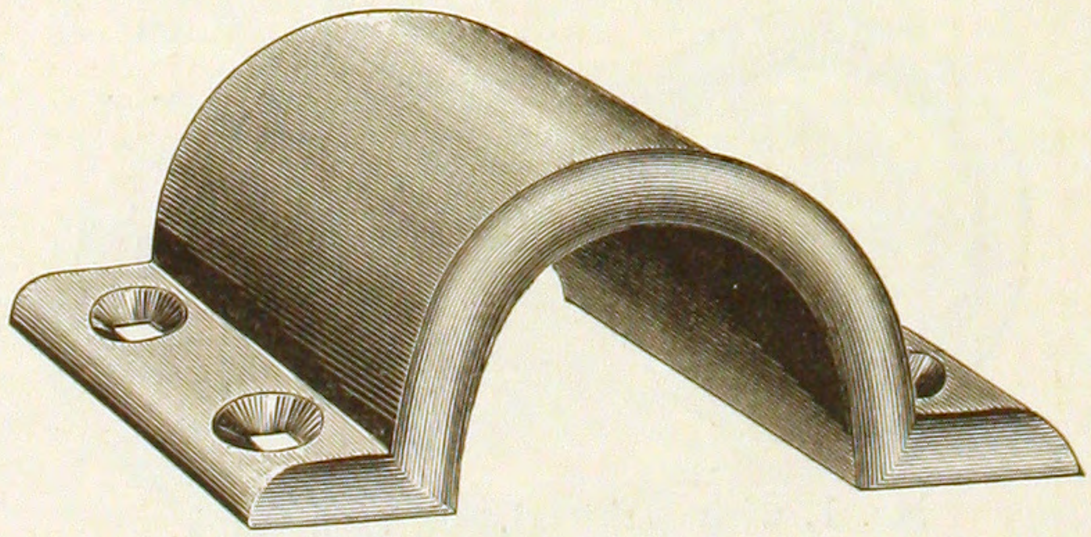
Whiffletree End Hooks.



No. 628 (For use with No. 625).

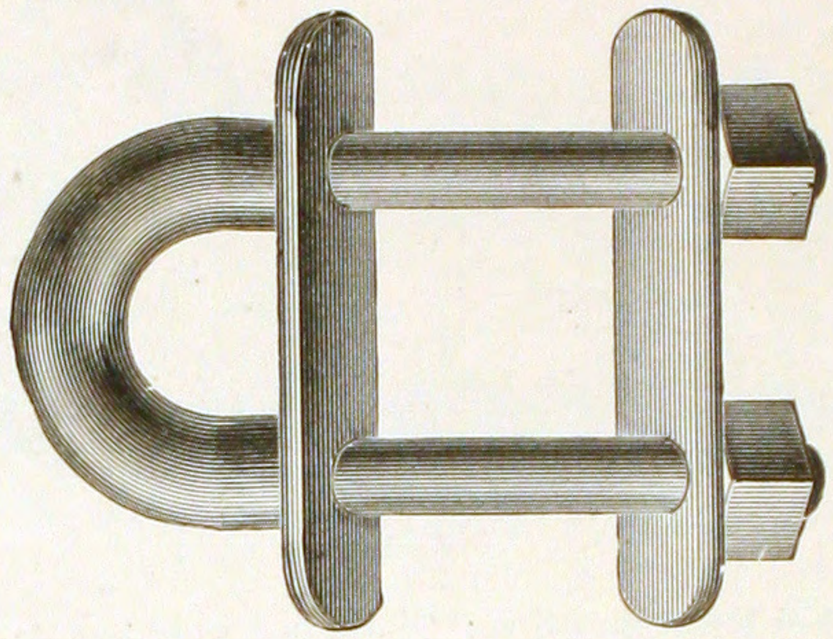
½ inch iron; 4 inches long.

Stake Irons.



1⅜	1½	1⅞	2 inches stake.
1¾	2½	2⅞	3⅝ " deep.

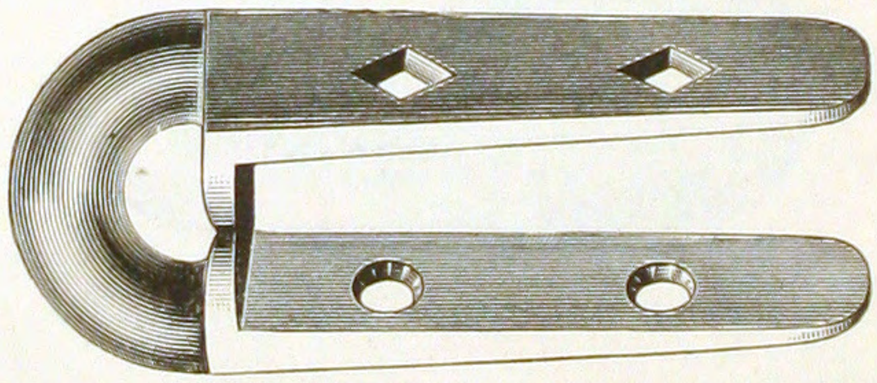
Swingletree Staples.



Nos.	3	4	
	3	4	inch length of shank.
	7/16	7/16	" size of shank.
	1 5/8	1 5/8	" centre to centre of holes.
	5	6	" entire length.

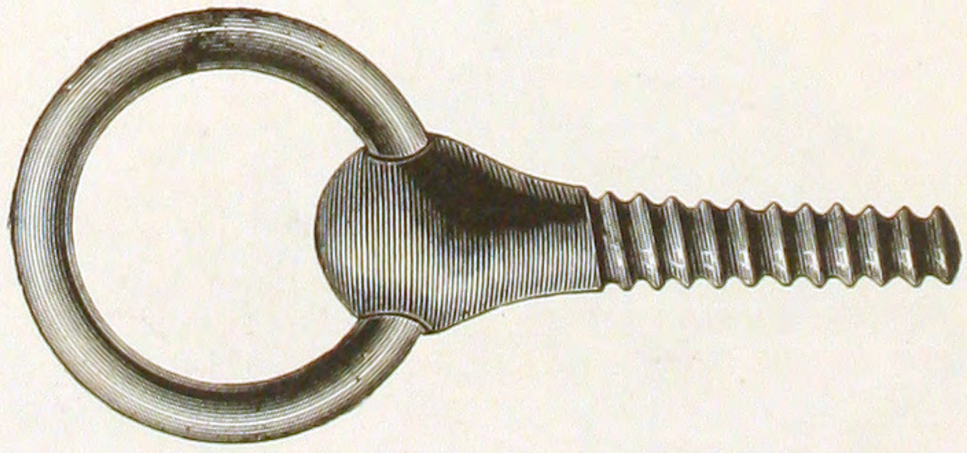
Finishing, 5 cents each.

Swingletree Clip.



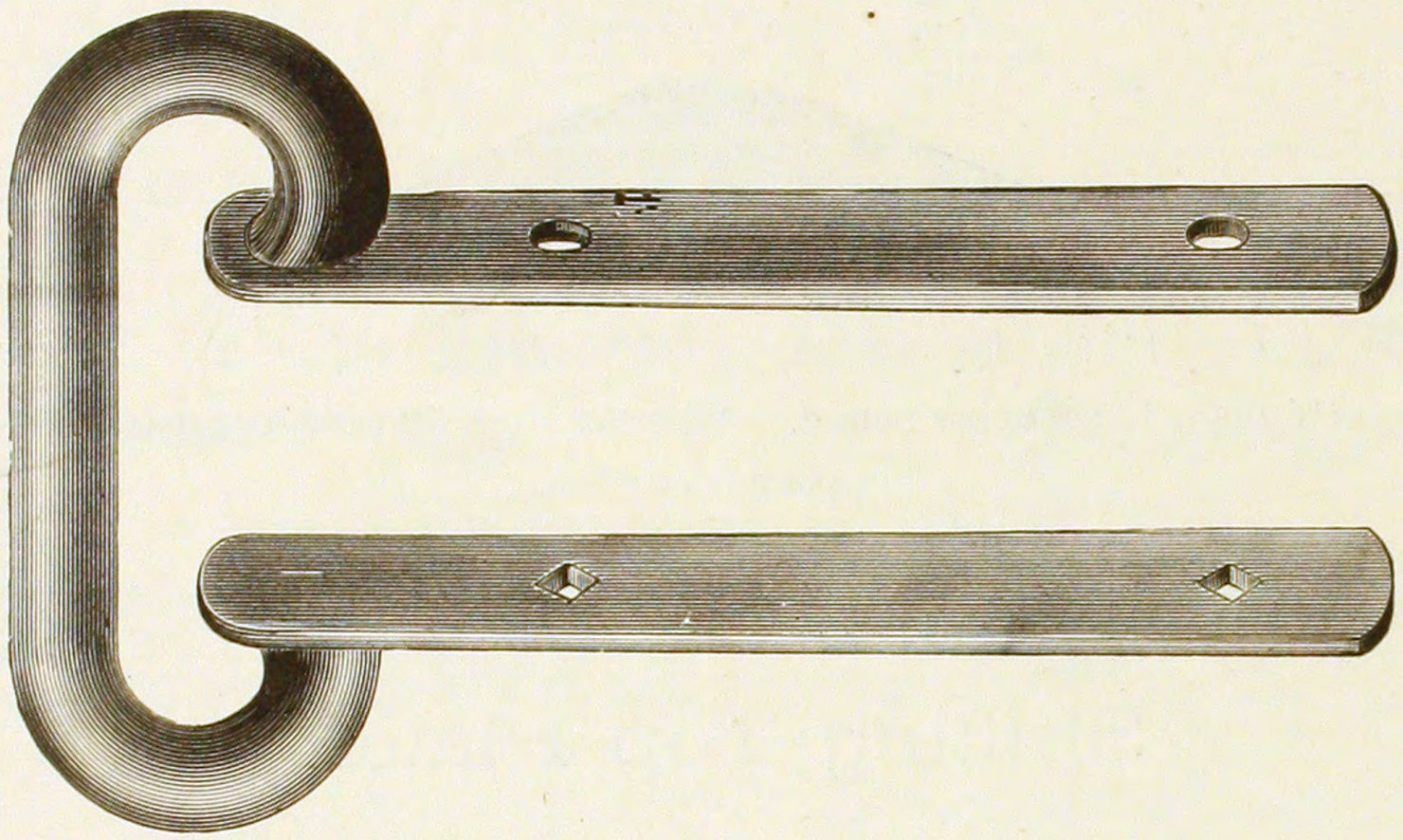
Nos.	1	2	
	1 1/4	1 3/8	inch between clips.
	1 1/4	1 1/4	" width of clips.
	3 3/8	3 3/8	" length "
	5 1/4	5 1/4	" entire length.

Ring Cock-Eyes.



No. 1,	with	thread,	1/2 inch shank.
" 2,	without	"	1/2 "
" 3,	with	"	5/8 "
" 4,	without	"	5/8 "

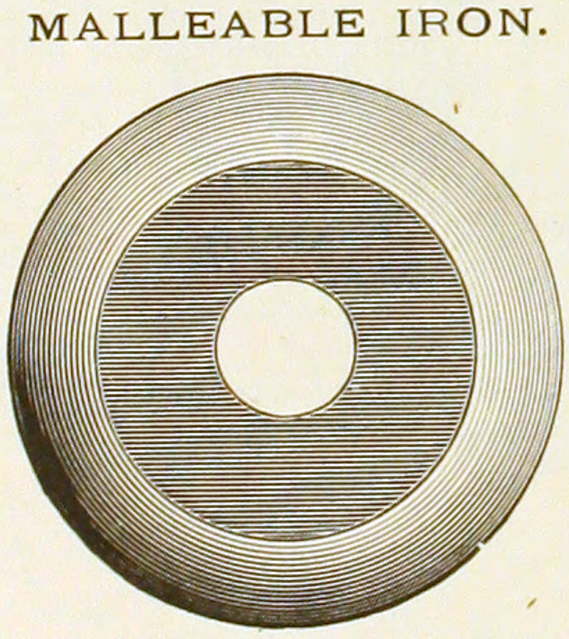
Pole Crabs.



Nos. 1 2
2 2 inch wide inside.
3½ 5¾ " plate.
No. 1, without holes.

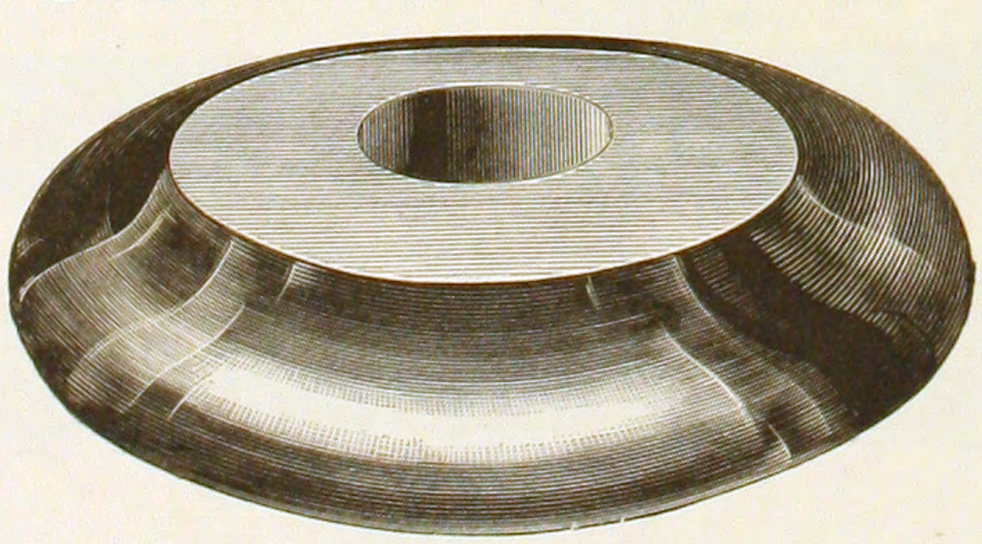
Clinch Rings.

MALLEABLE IRON.



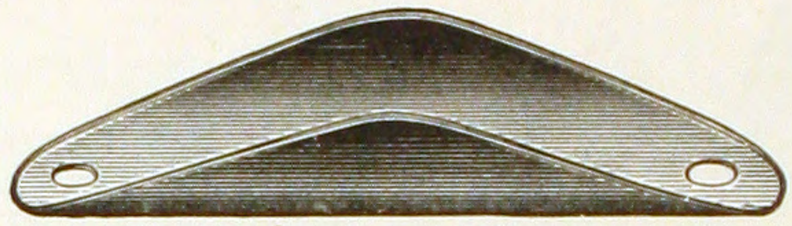
¼ ⅝ ¾ ⅞ inch hole.

Cast Iron Washers.



⅜	½	⅝	¾	⅞	1	1⅛	1¼	inches.
7/16	⅝	¾	⅞	1	1⅛	1¼	1⅜	" hole.

Wrought Felloe Plates.

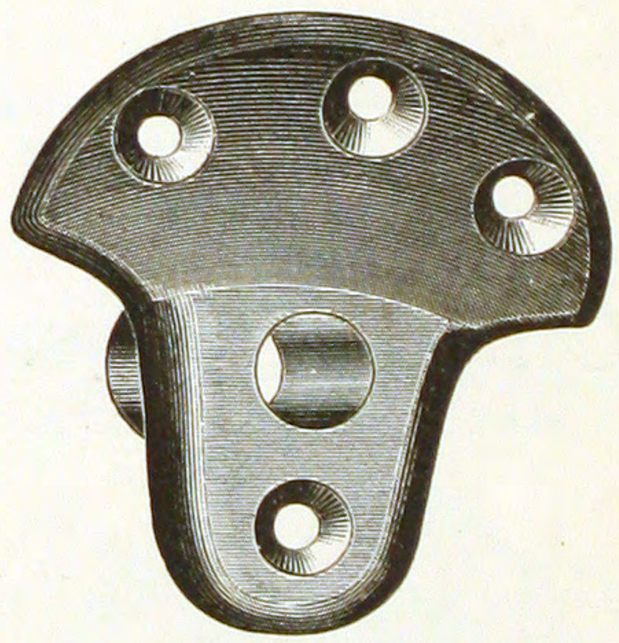


¾ ⅞ 1 1⅛ 1¼ 1⅜ 1½ 1⅝ 1¾ 2 2¼ inches.

2¼ inch, 15 cents per pound. All other sizes, 10 cents per pound.

10 pounds in a box.

Shifting Top Plates.

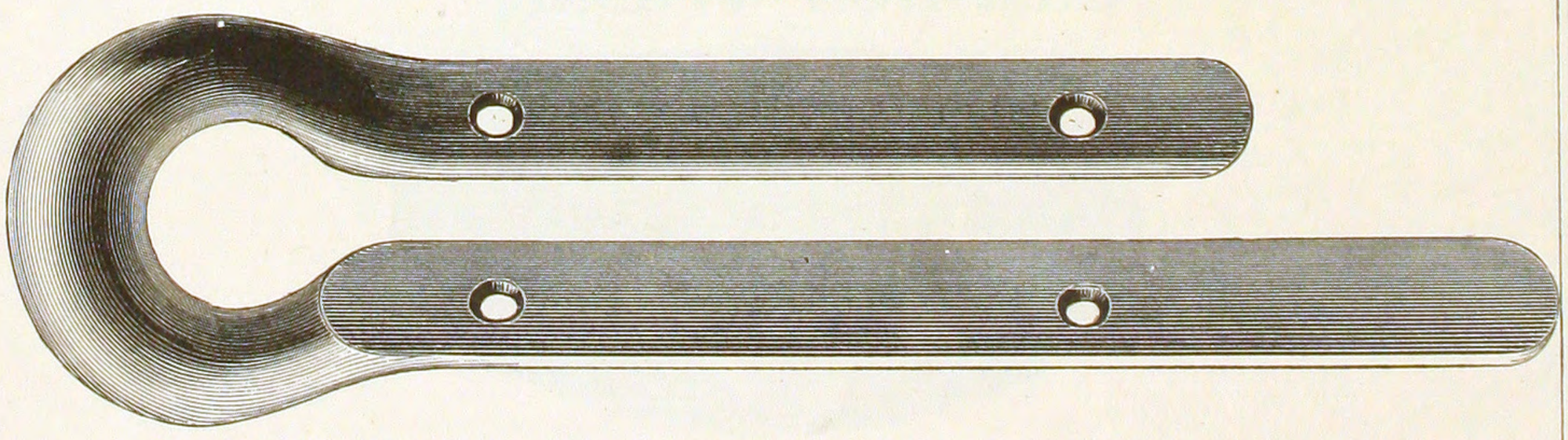


Full size Cut.

15 cents per pound. 10 pounds in a box.

Hame Clip.

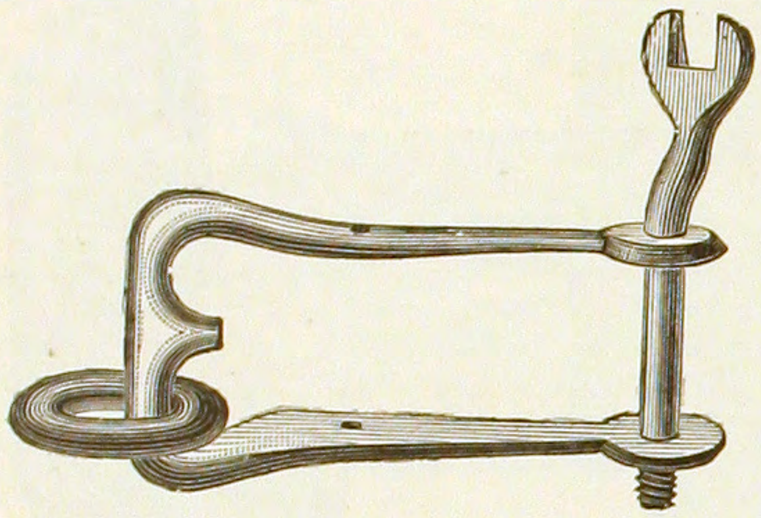
MALLEABLE IRON.



No. 13, ½ inch between clips, 5⅝ inches entire length. 14 cents per pound.

Plough Clevices.

Finishing, 4 cents each.

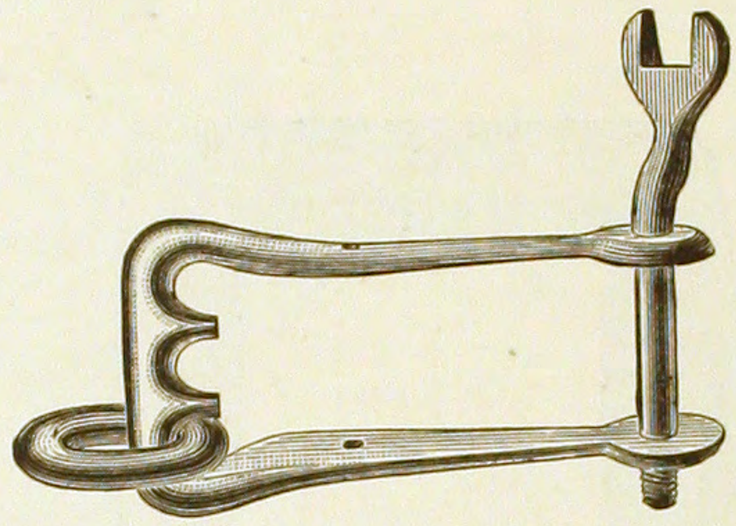


No. 1.

2¼
2¼ lbs.

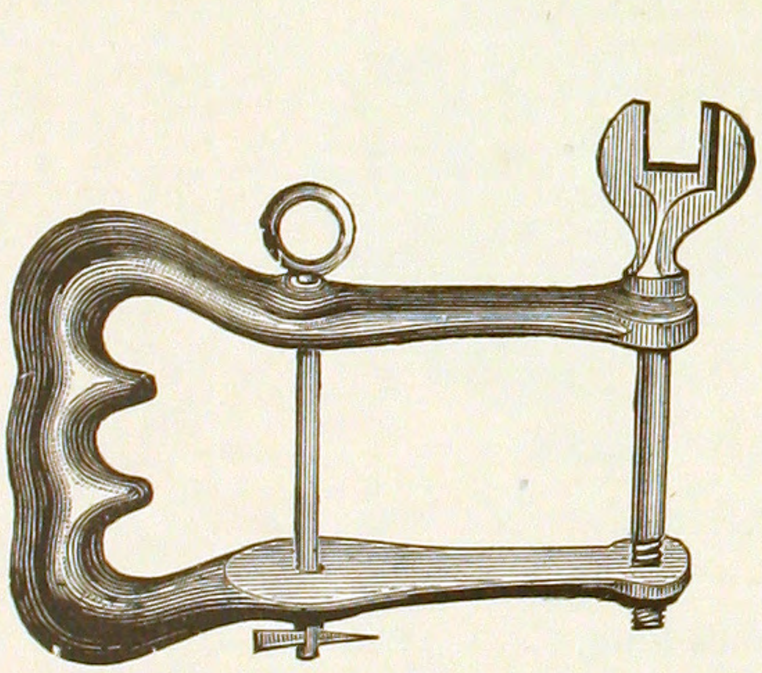
2½
3 lbs.

2¾
3¼ lbs.



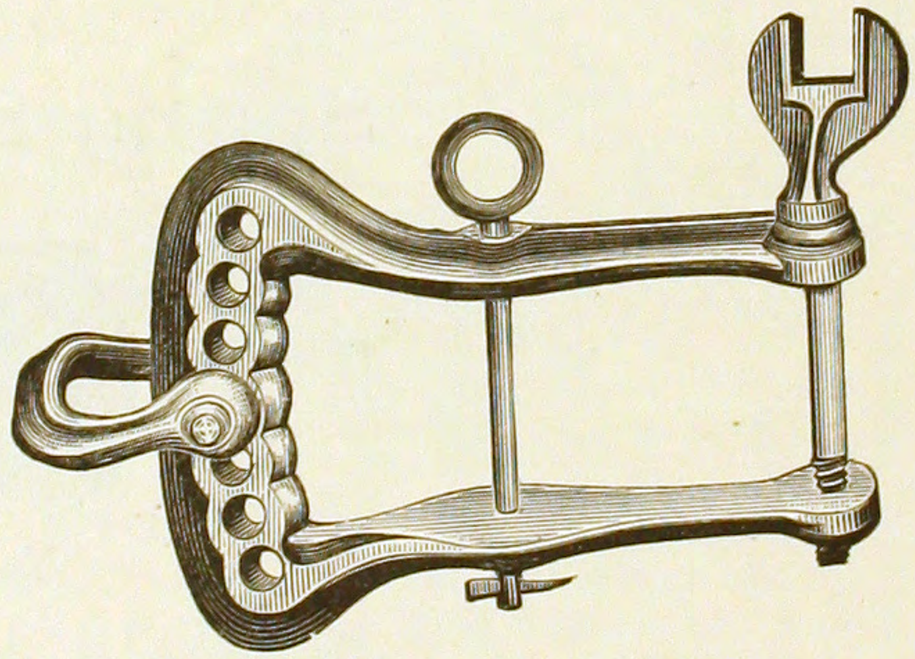
No. 2.

3 inches.
3½ lbs.



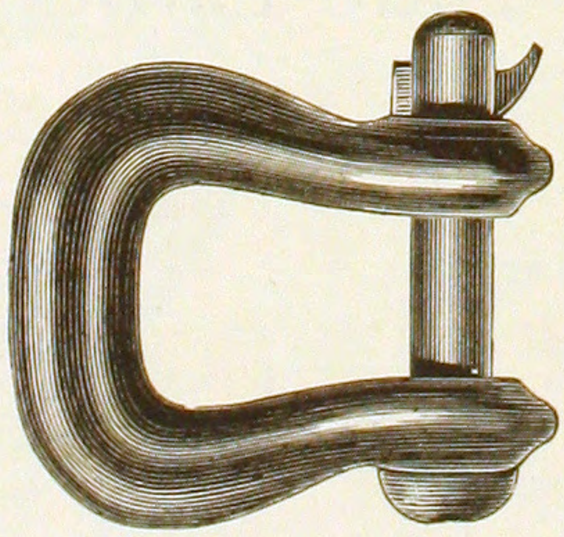
No. 20.

2 inches, 1¼ lbs.



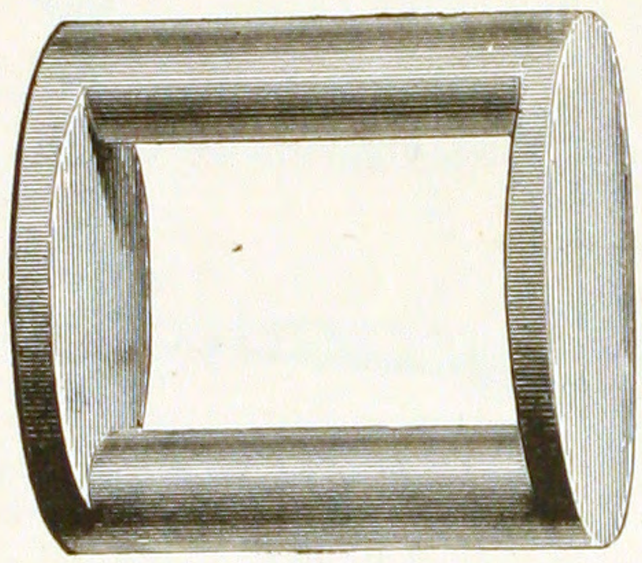
Nos. 30 and 40.

No. 30, 2½ inches, 2¾ lbs.
" 40, 2¾ " 3¾ "



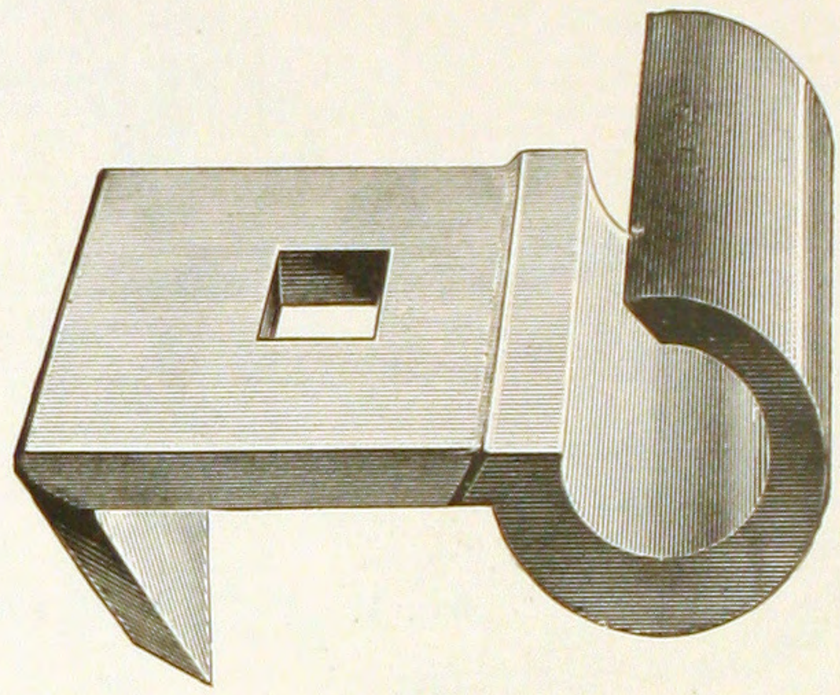
No. 0, ¾ inch.

Spring Shackles. Spring Shackle Holders.



No. 1.

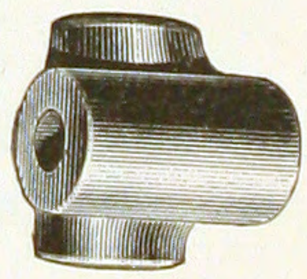
1¼ 1⅜ 1½ 1¾ 2 inches wide inside.



For No. 1 Shackles.

1¼ 1⅜ 1½ 1¾ 2 inches wide.

Spring Shackles.

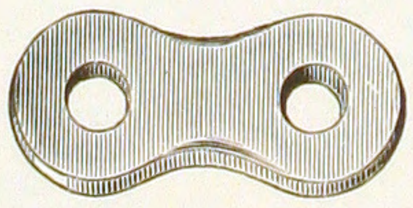


No. 2.

1¼ 1⅜ 1½ 1¾ 2 inches long.

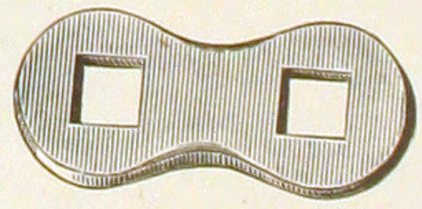
⅜ ⅜ ⅜ $\frac{7}{16}$ $\frac{7}{16}$ inch holes.

Side Links.



No. 5.

⅜ $\frac{7}{16}$ inch hole.

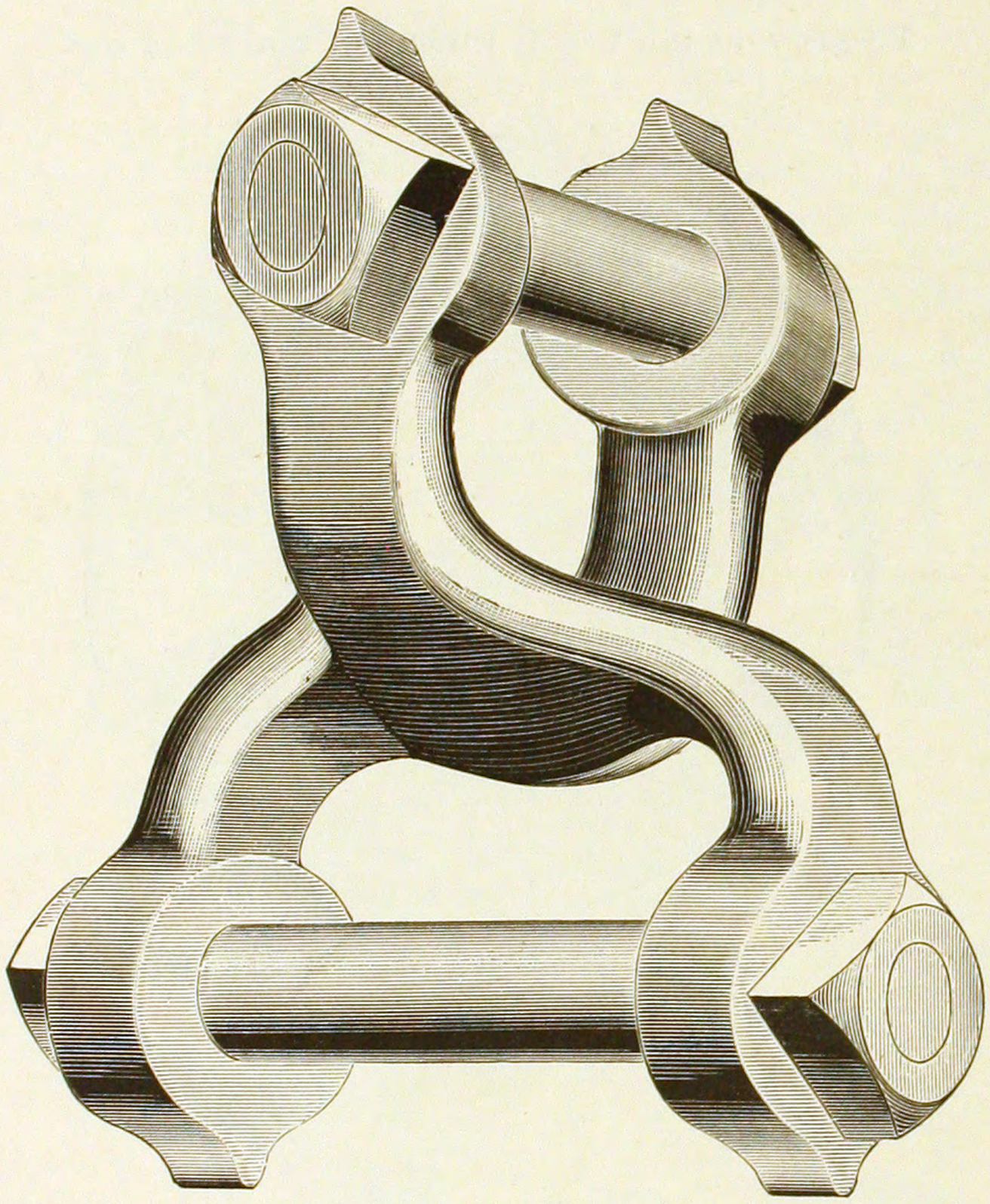


No. 6.

For No. 2 Shackles.

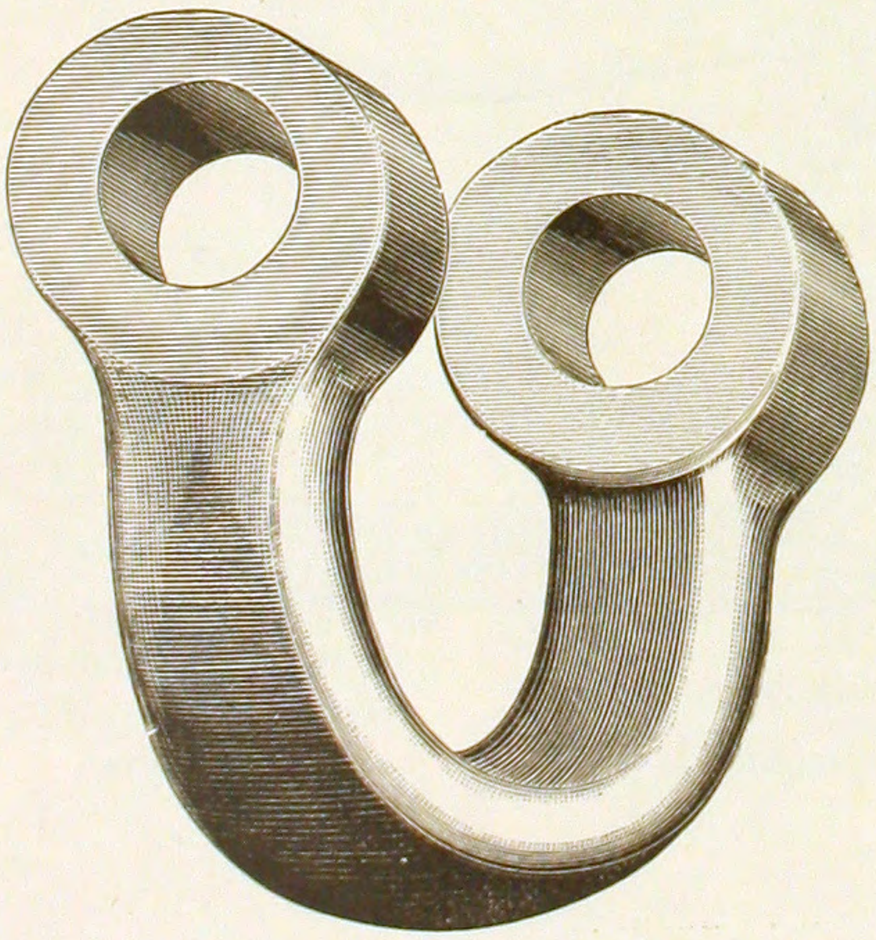
⅜ $\frac{7}{16}$ inch hole.

Double Spring Shackles.



No. 3—Four to a set.

1¼	1½	1¾	2	2¼	2½	2¾	3	inches between ears.
⅜	⅜	½	½	⅝	⅝	¾	¾	inch holes.
$0 90	1 00	1 36	1 50	2 00	2 13	2 38	2 50	per set without bolts.
1 75	1 80	2 25	3 20	4 00	5 00	6 25	7 15	" with bolts.



Loose Shackles.

No. 4—Eight to a set.

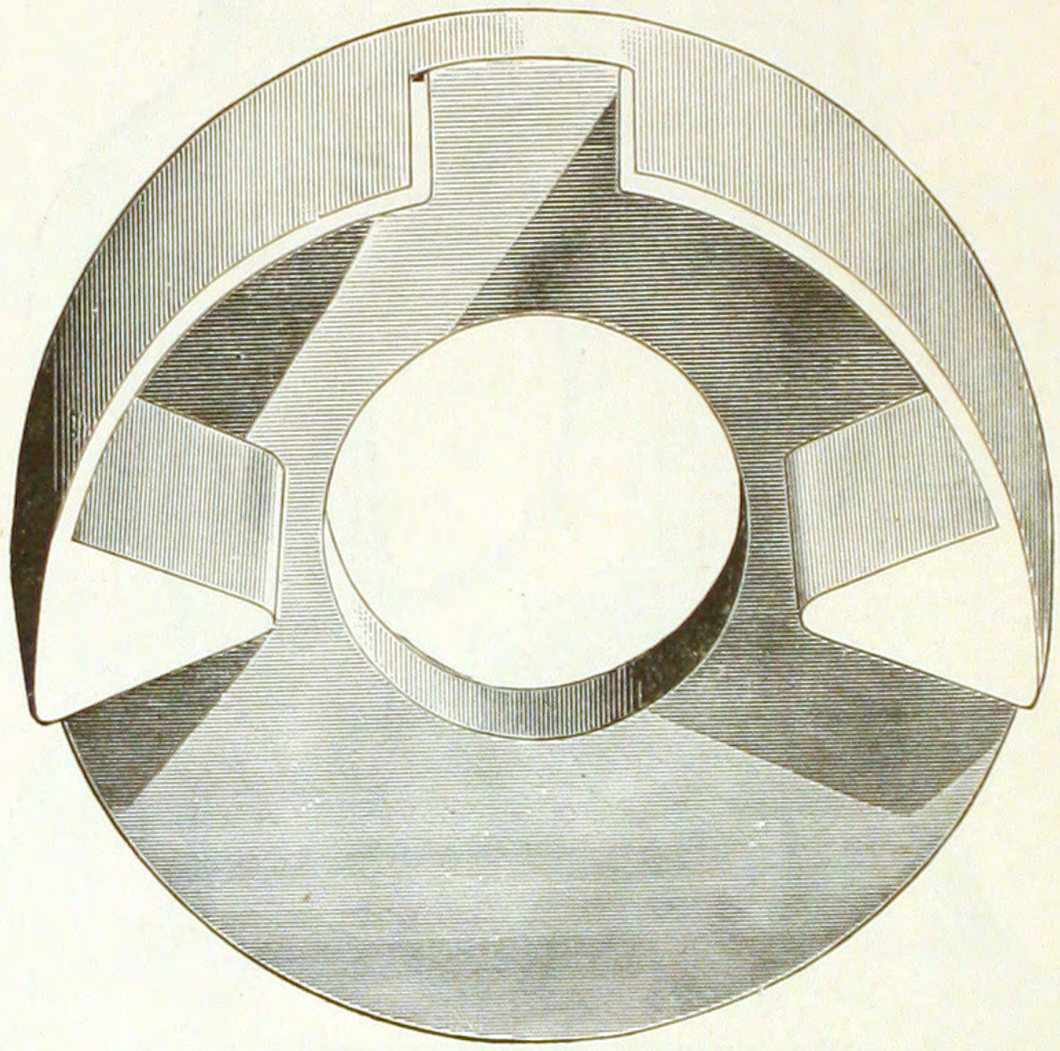
One round and one square hole.

1½	1¾	2	2¼	2½	2¾	3	inches between ears.
⅜	½	½	⅝	⅝	¾	¾	inch holes.
$3.35	4.65	5.25	6.70	7.35			per set with bolts.

Without bolts, 10 cents per pound.

Malleable Iron Axle Washers.

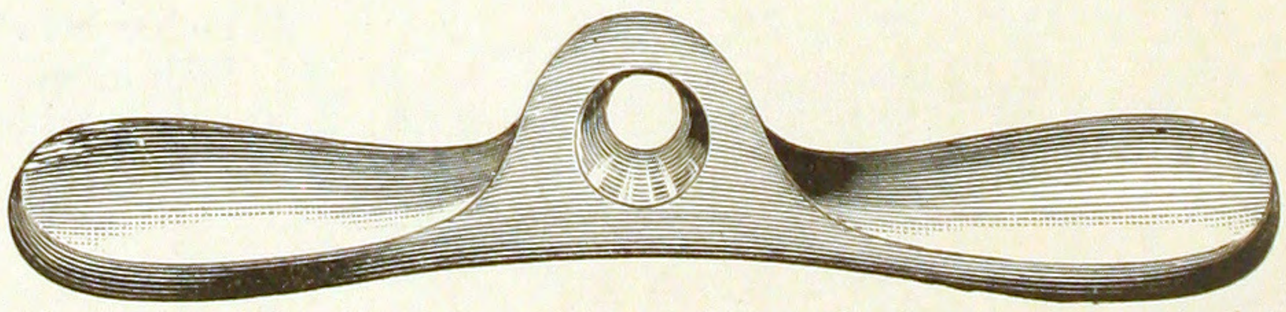
To prevent the Linch Pin from bouncing out.



⅞ 1 1⅛ 1¼ 1⅜ 1½ 1⅝ 1¾ 1⅞ 2 2⅛ 2¼ 2⅜ 2½ 2⅝ 2¾ 2⅞ 3 inch holes.

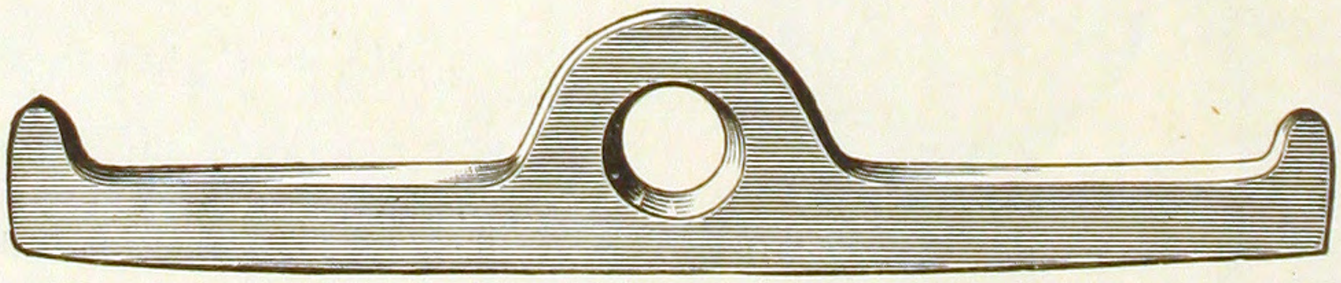
12 cents per pound.

Chain T's.



Nos. 1 2 3

3½ 3¾ 4¼ inches long.



No. 4, 3¾ inches long.

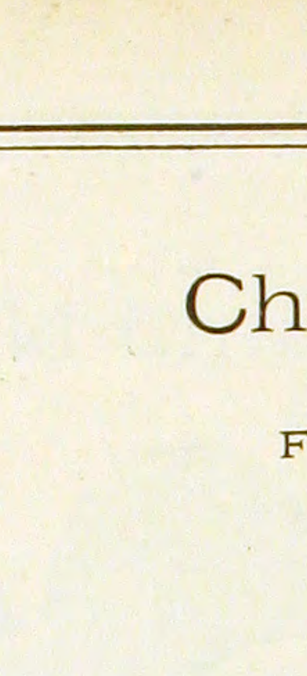
14 cents per pound

Chain Swivels.

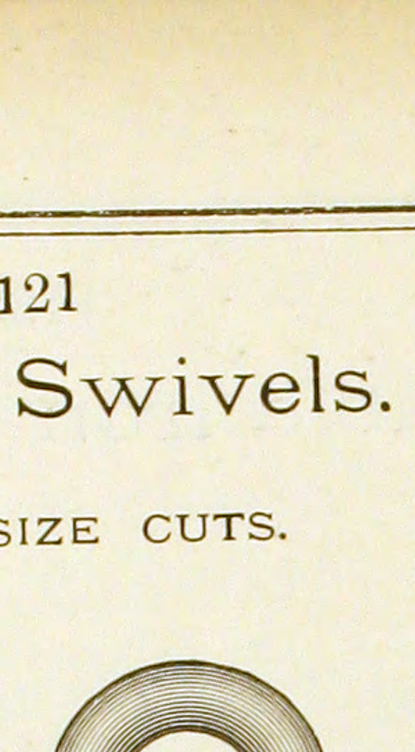
FULL SIZE CUTS.



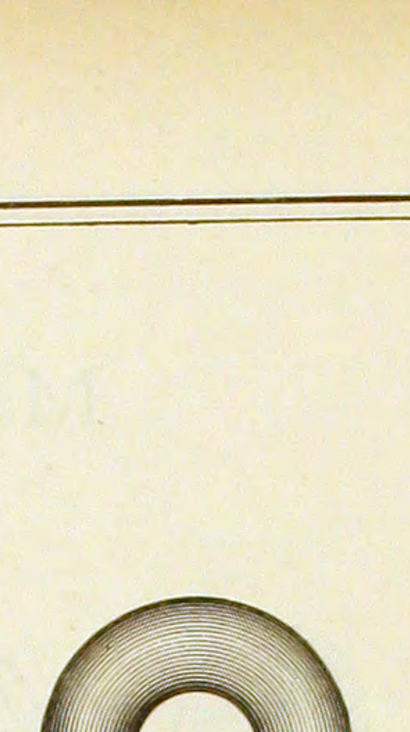
No. 0.



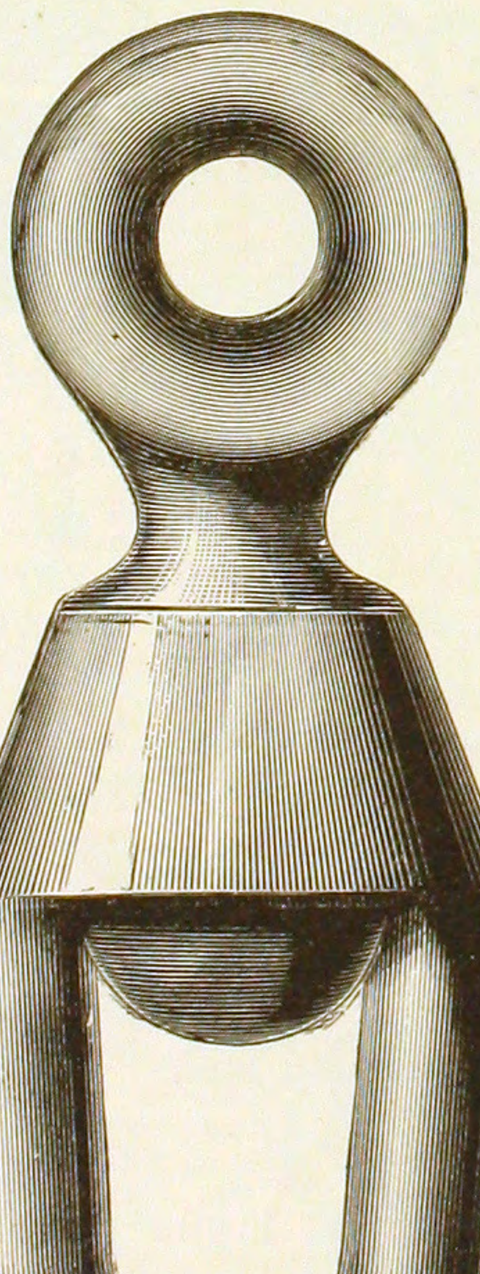
No. 1.

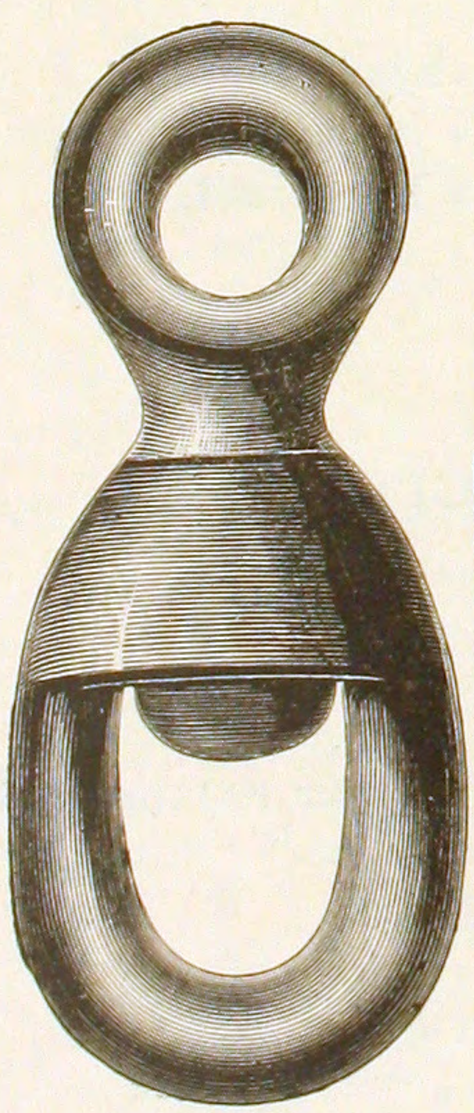


No. 1½.



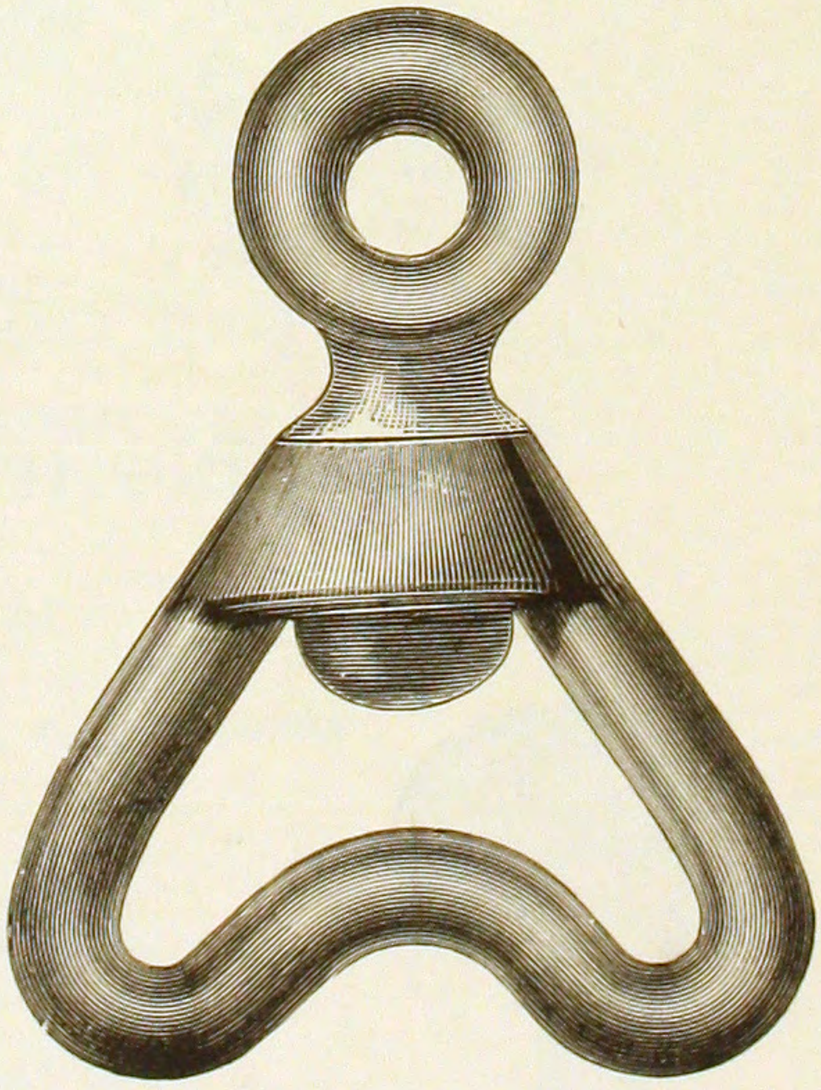
No 2.





No. 3.

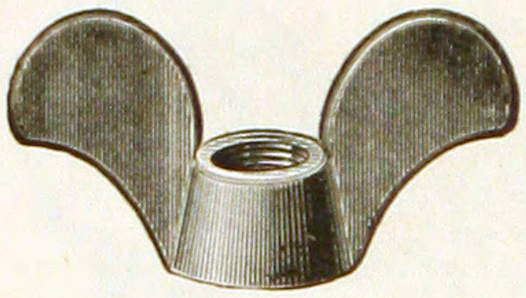
No. 3½.

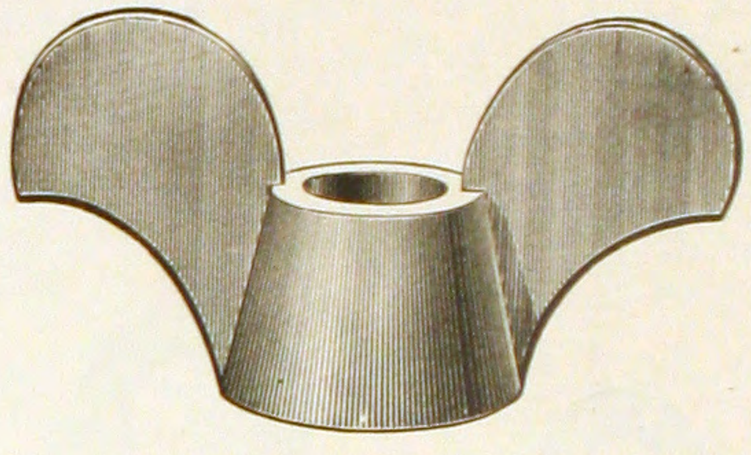


No. 8.

No. 0, 40 cents per pound. All others, 15 cents per pound.

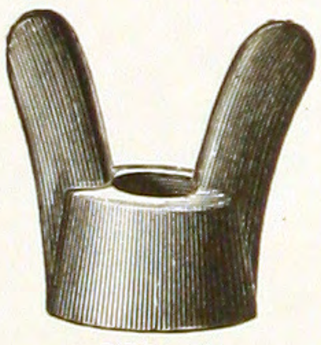
Malleable Iron Thumb Nuts.



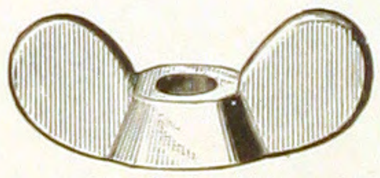


¼	5/16	3/8	7/16	½	5/8 inch bolt.
$0 20	20	18	18	18	18 per pound blank.
1 80	1 80	2 25	2 80	4 00	6 00 per 100 threaded.

10 pounds in a box.



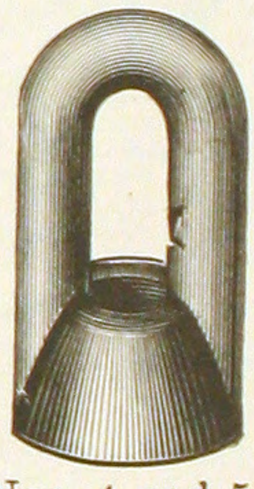
No. 2.



No. 3.



No. 6.



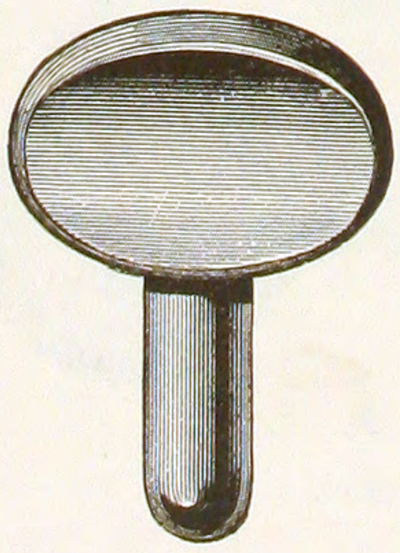
Nos. 4 and 5.

Nos.	2	3	4	5	6	
	5/16	3/16	¼	5/16	5/16	inch bolt.
	$0 20	20	20	20	20	per pound blank.
	2 00	1 75	2 25	2 25	2 25	per 100 threaded.

10 pounds in a box.

Malleable Iron Thumb Screws.

10 pounds in a box.



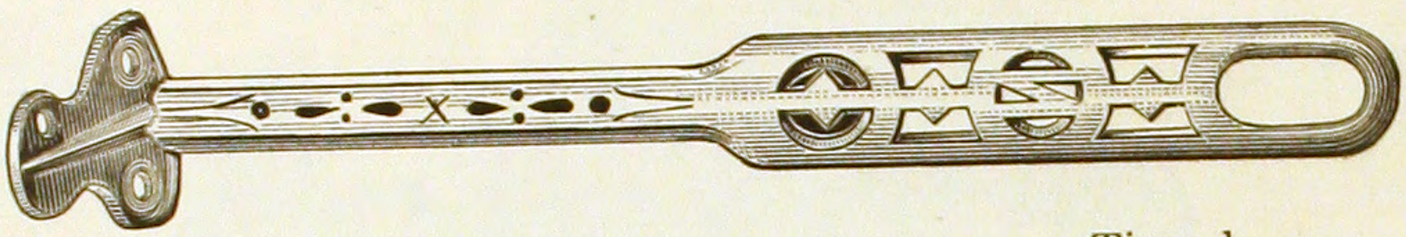
Diameter 3/16 x	½	¾	1		
	$1 60	1 60	1 75		per 100 threaded.
" ¼ x	¾	1	1¼	1½	
	2 20	2 30	2 40	2 50	" "
" 5/16 x	¾	1	1¼	1½	
	2 40	2 80	3 20	3 60	" "
" 3/8 x 1	1¼	1½	1¾	2	
3 20	3 60	4 00	4 40	4 80	" "

15 cents per pound blank.

Fancy Sauce-Pan Handles.

MALLEABLE IRON.

(Patented April 21, 1885.)



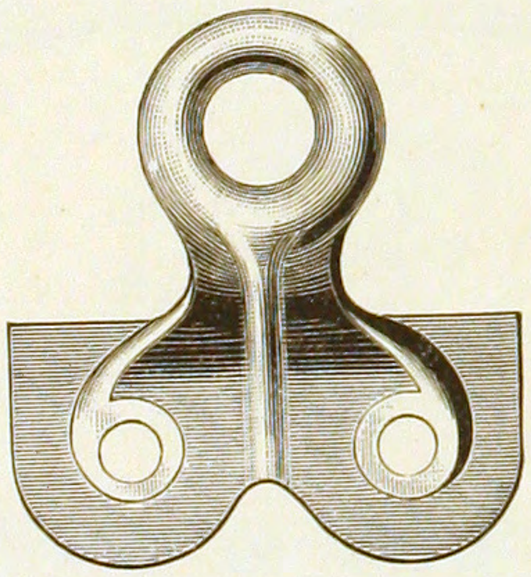
	Japanned.	Tinned.
5 inches	$1 70	$2 30 per gross.
6 "	2 20	3 00 "
7 "	2 70	3 50 "
8 "	3 10	4 00 "
9 "	3 50	4 50 "

½ gross in a box.

Straight Bucket Ears.

MALLEABLE IRON.

Set off straight for covered buckets.

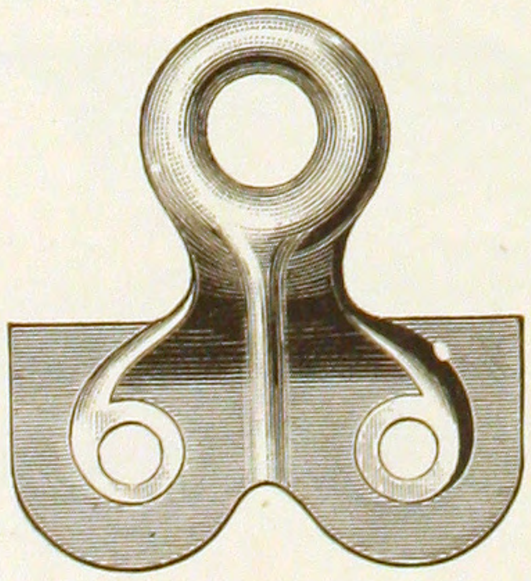


Nos.	1	2	3	4	5	6	7	
Tinned,	$0 35	50	65	90	1 30	1 60	2 25	per gross.

Beveled Bucket Ears.

MALLEABLE IRON.

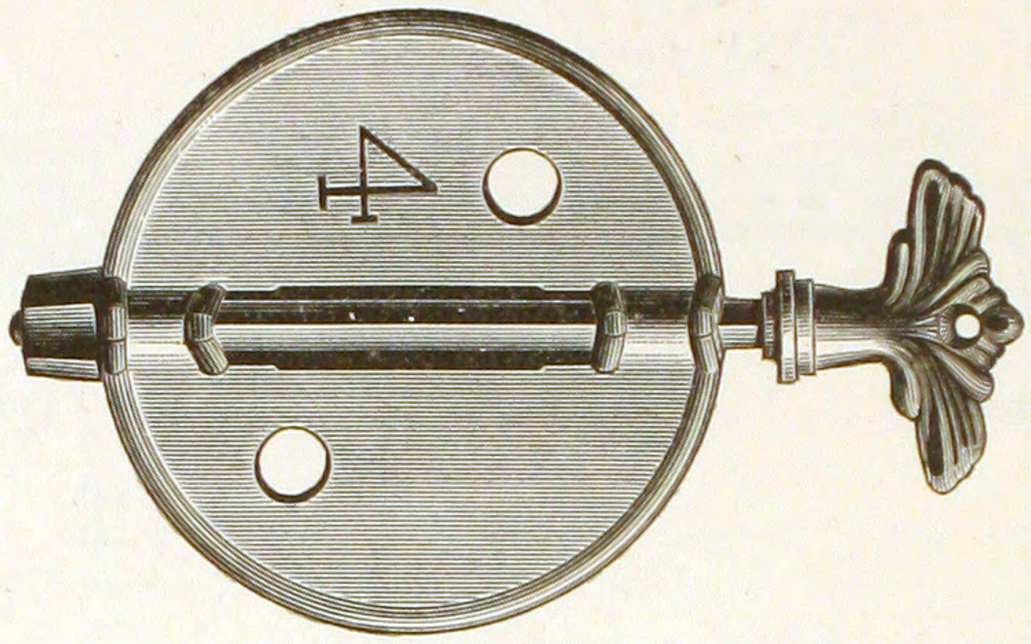
Set close beveling for Water Buckets without lids.



Nos.	11	12	13	14	15	16	
Tinned,	$0 35	50	65	90	1 30	1 60	per gross.

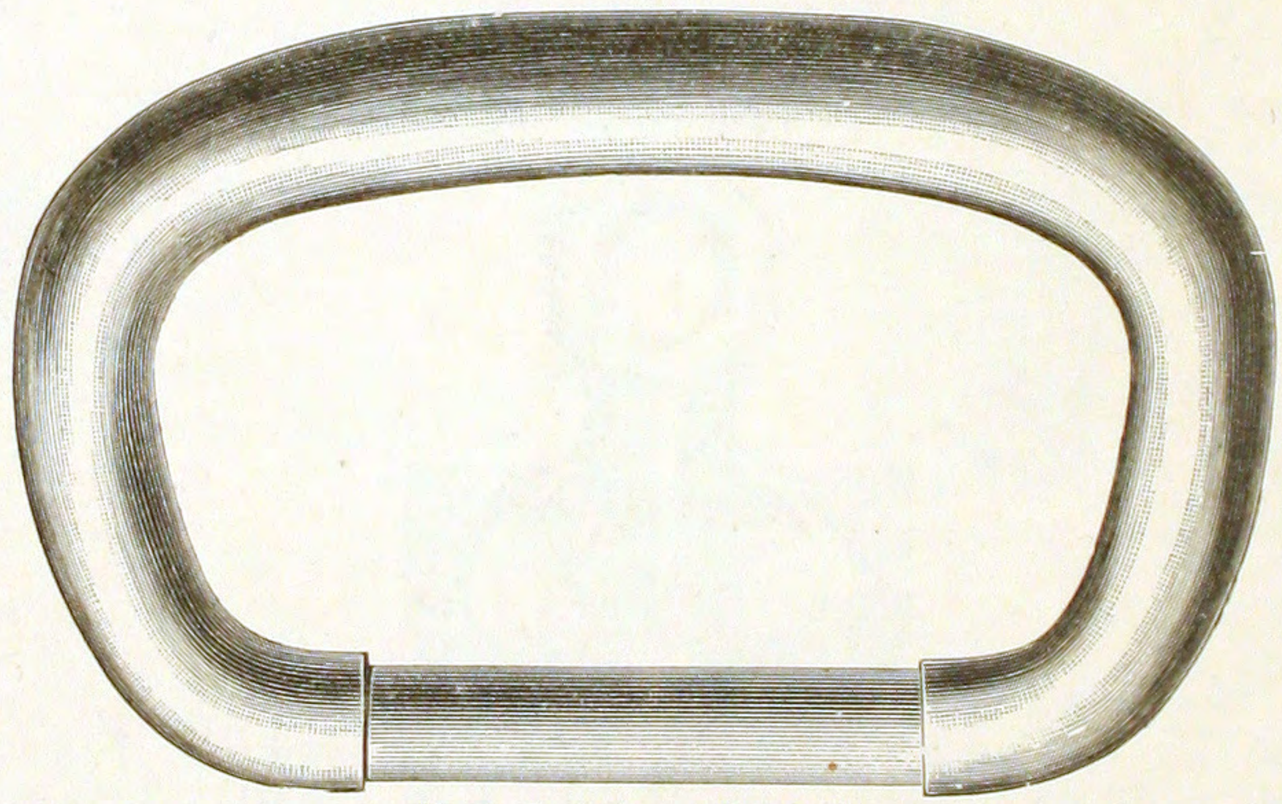
Stove-Pipe Dampers.

With Malleable Iron Rods and Nuts.



4	4½	5	5½	6	6½	7	8	10 inches.
$1 00	1 10	1 20	1 40	1 50	1 80	2 60	3 80	5 70 per dozen.

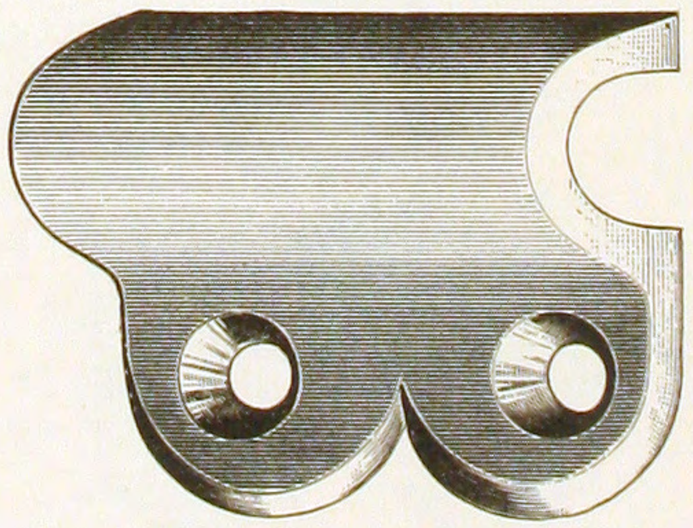
Milk Can Handles.



Full size Cut of No. 1.

	No. 1.	No. 2, larger.
Gray Iron Plain,	6	6 cents per pound.
" " Tinned,	11	11 " "
Malleable Iron, Plain,	10	10 " "
" " Tinned,	15	15 " "

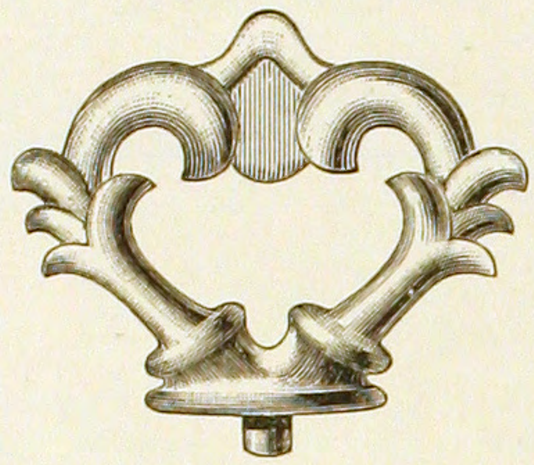
Milk Can Handle Holders.



Malleable Iron, Plain,	10 cents per pound.
" " Tinned,	15 " "

Butter Pail Knobs.

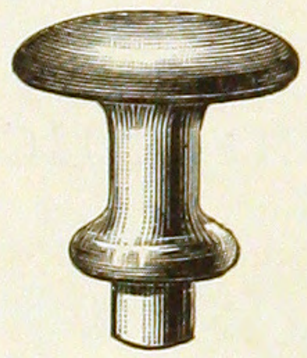
MALLEABLE IRON.



Nos.	10	11	12
	1	1½	2 inches.
Tinned,	$0 55	70	1 00 per gross.

1 Gross in a box.

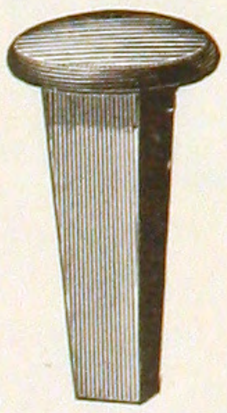
Tin Ware Knobs.



	½	¾ inches.
Tinned,	$0 35	55 per gross.

Wall Nails.

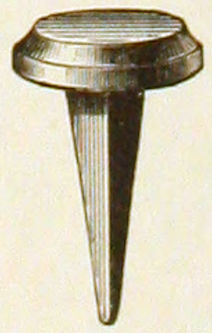
MALLEABLE IRON.



12 cents per pound.
10 pounds in a box.

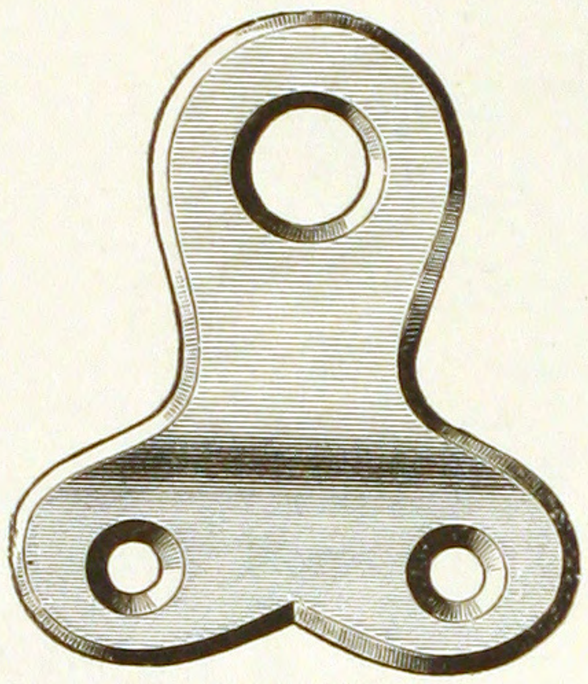
Floor Nails.

BRASS.

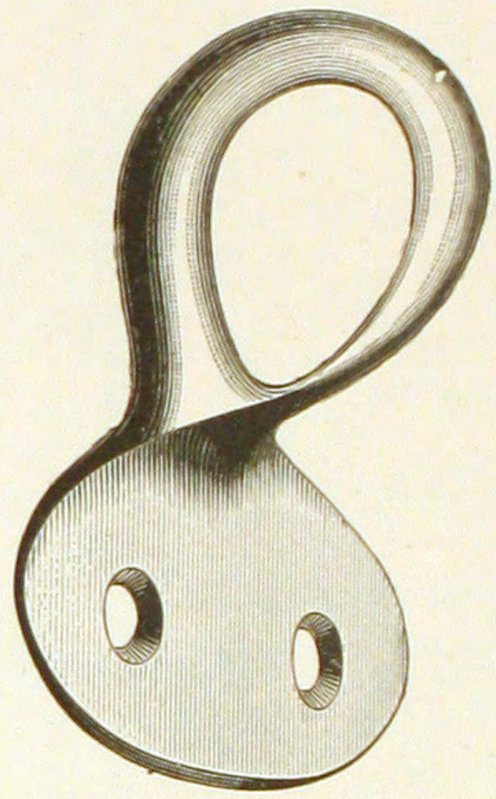


50 cents per pound.
10 pounds in a box.

Water Bucket Ears.



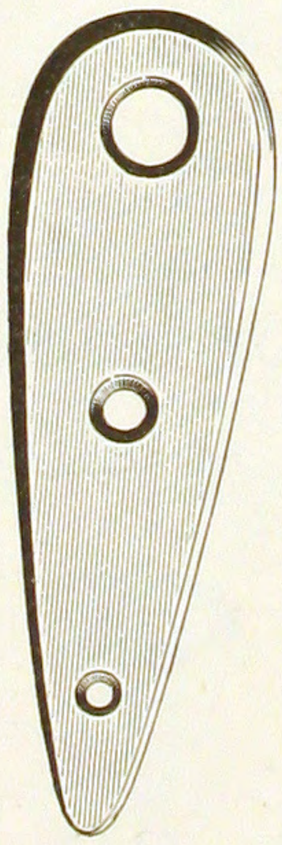
No. 3.



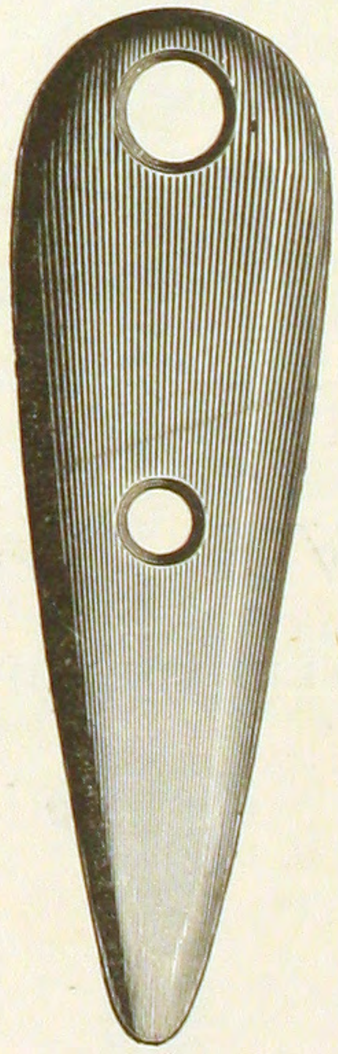
No. 4.

10 cents per pound.

Wooden Bucket Ears.



No. 1.



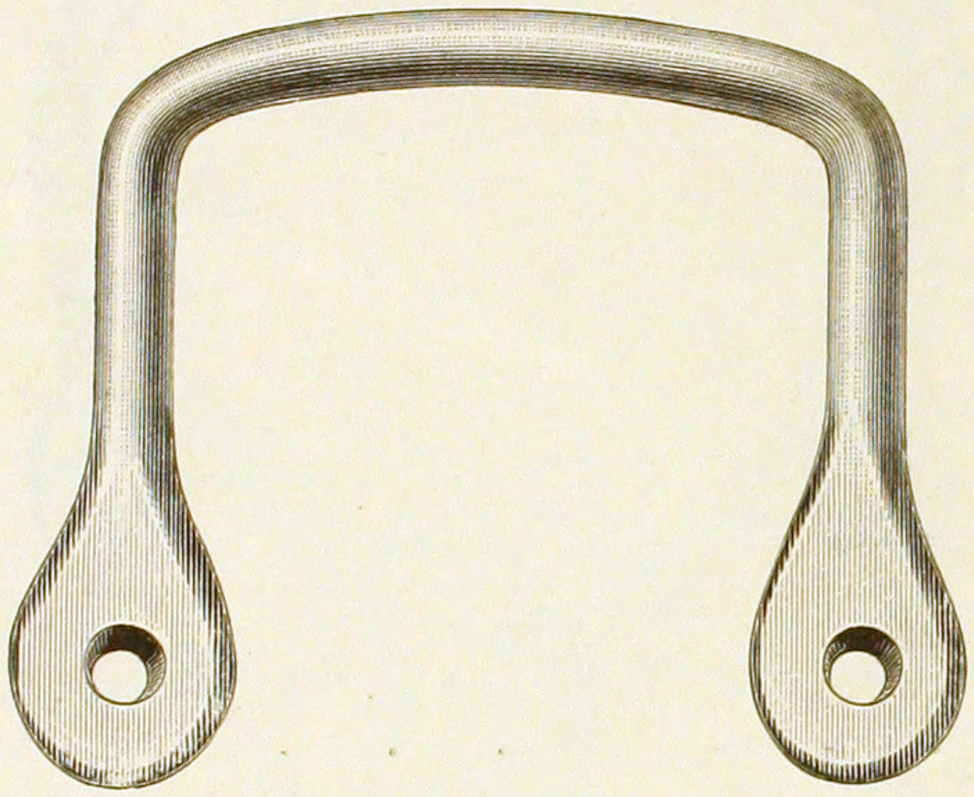
No. 2.

Tinned, ...	15 cents per pound.
Not Tinned, ...	10 " "

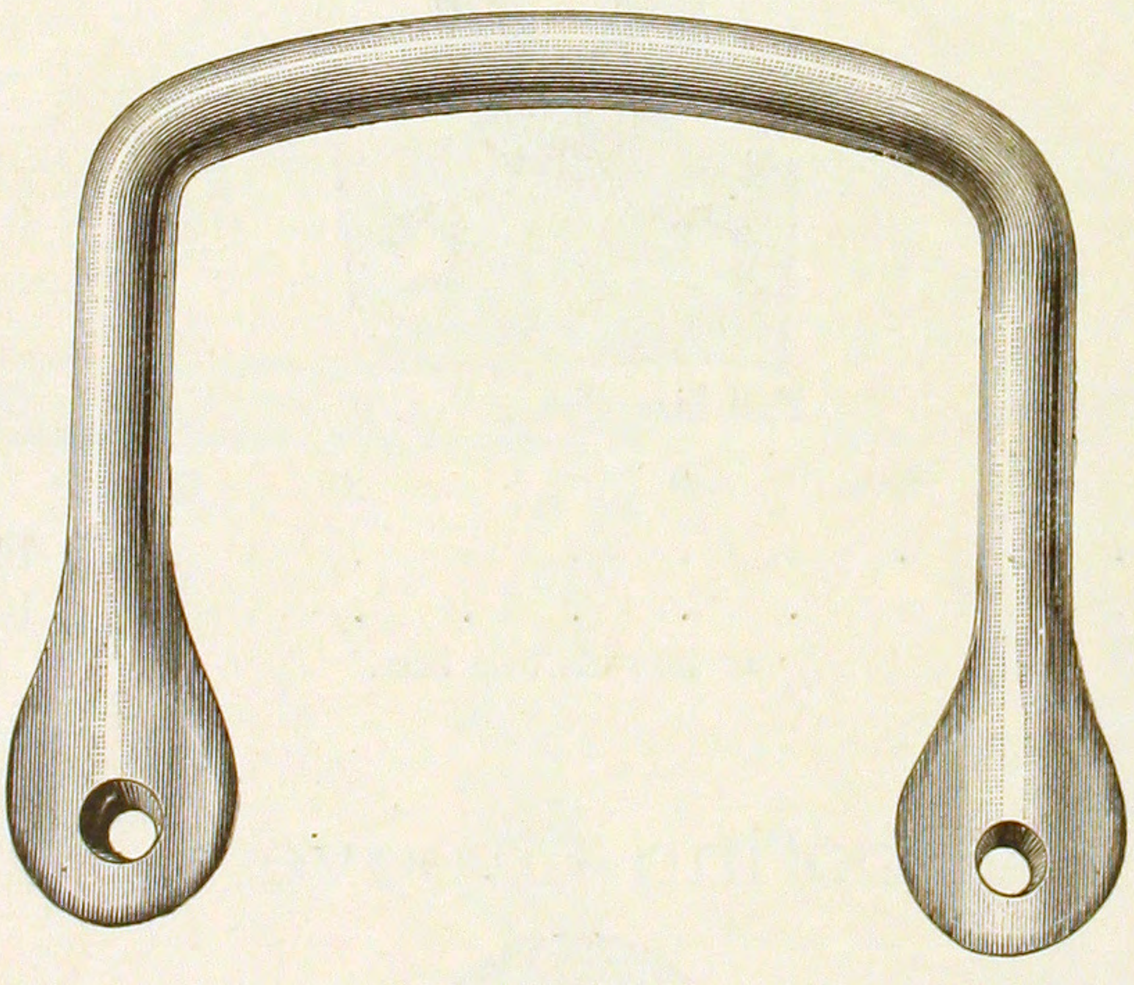
10 pounds in a box.

Dish Pan Handles.

MALLEABLE IRON.



No. 1.



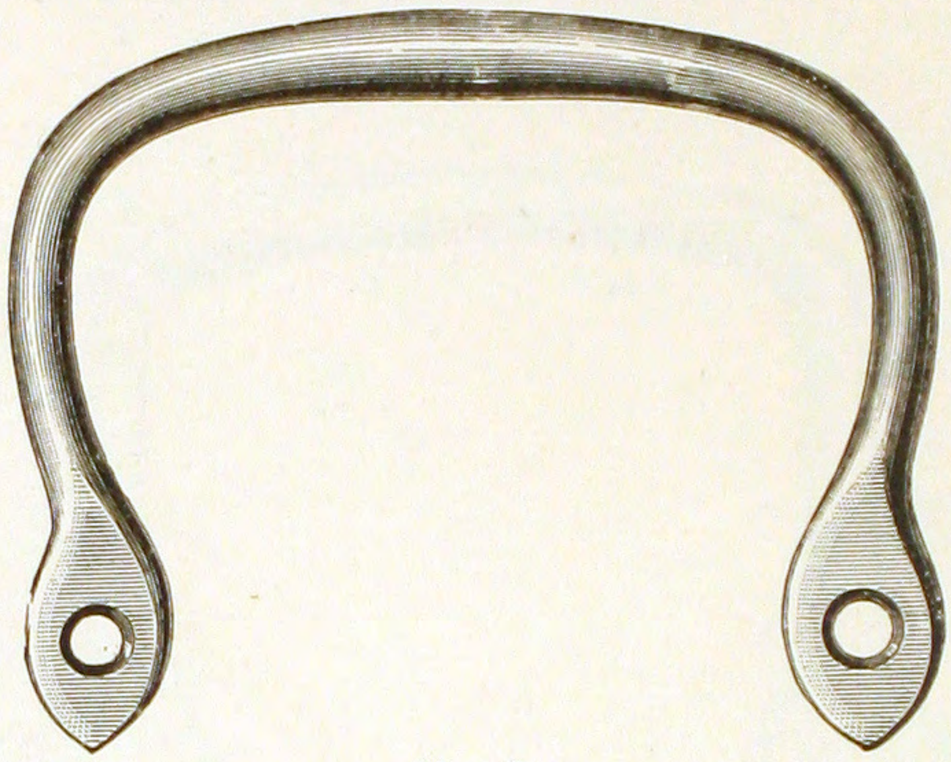
No. 2.

Tinned, ... 14 cents per pound.

10 pounds in a box.

Dish Pan Handles.

MALLEABLE IRON.

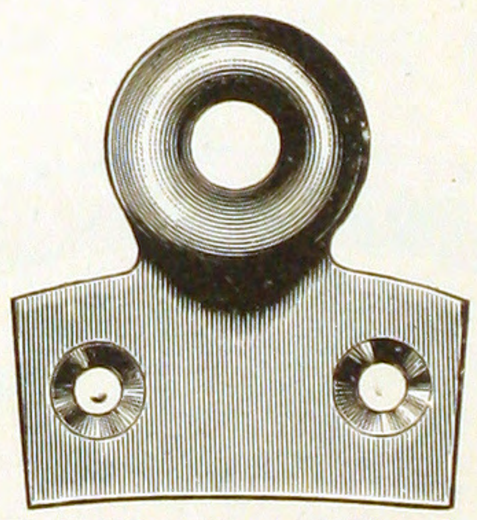


No. 3.

	1½	2	2½	3	3½	inches.	
Tinned,							14 cents per pound.

10 pounds in a box.

Malleable Iron Kettle Ears.

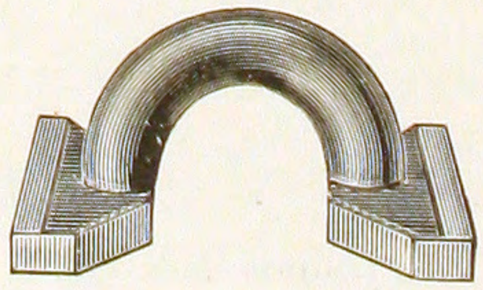


Full Size Cut of No. 0.

	Nos.	0	1	2	3	
Tinned,						14 cents per pound.
Black,						10 " " "

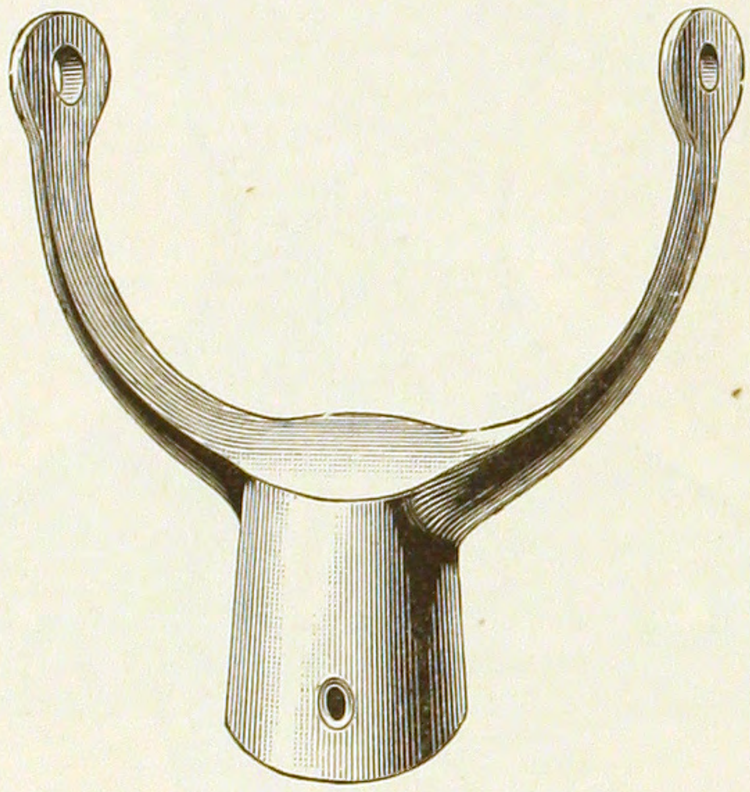
10 pounds in a box.

Roofing Groovers.



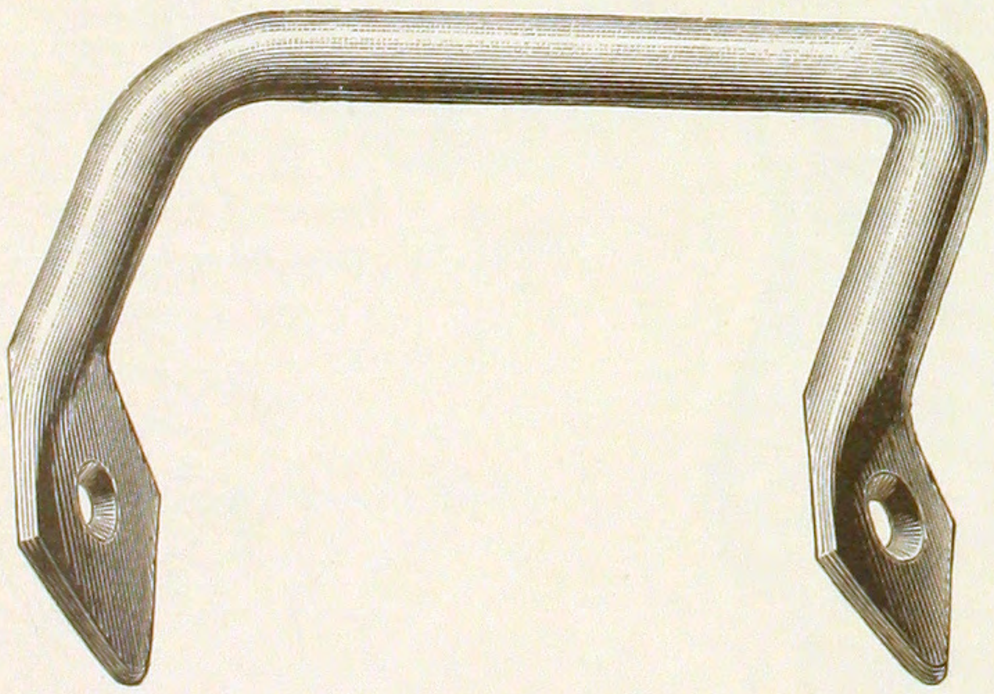
No. 1,	¾ x 1 inch,	$10 00 per dozen.
2,	1 x 1¼ "	10 50 " "

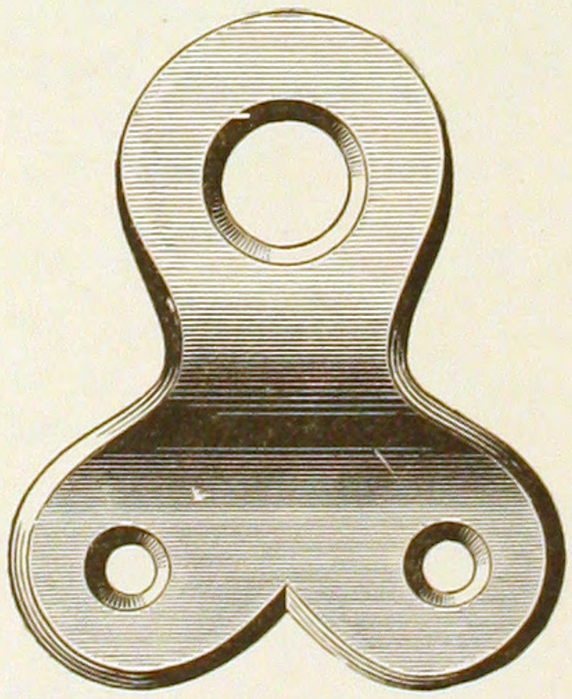
SHOVEL HANDLE D'S.



10 cents per pound.

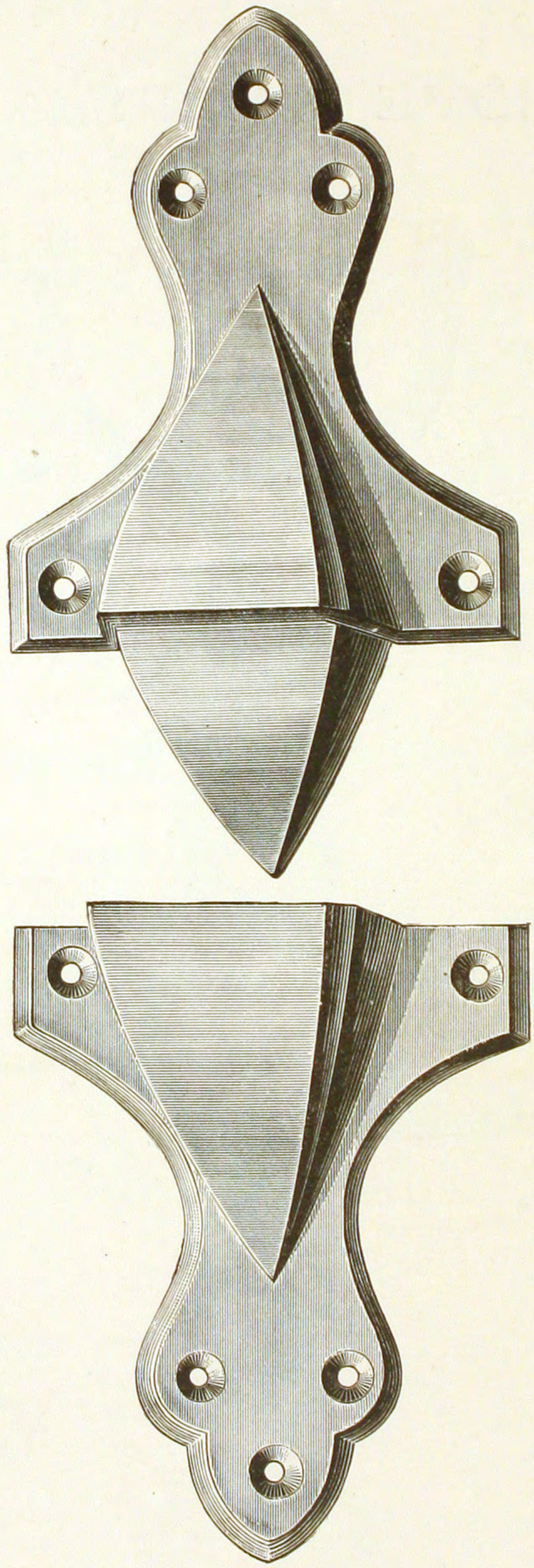
Coal Hod Handles and Ears.





10 cents per pound.

Outside Malleable Bolts.

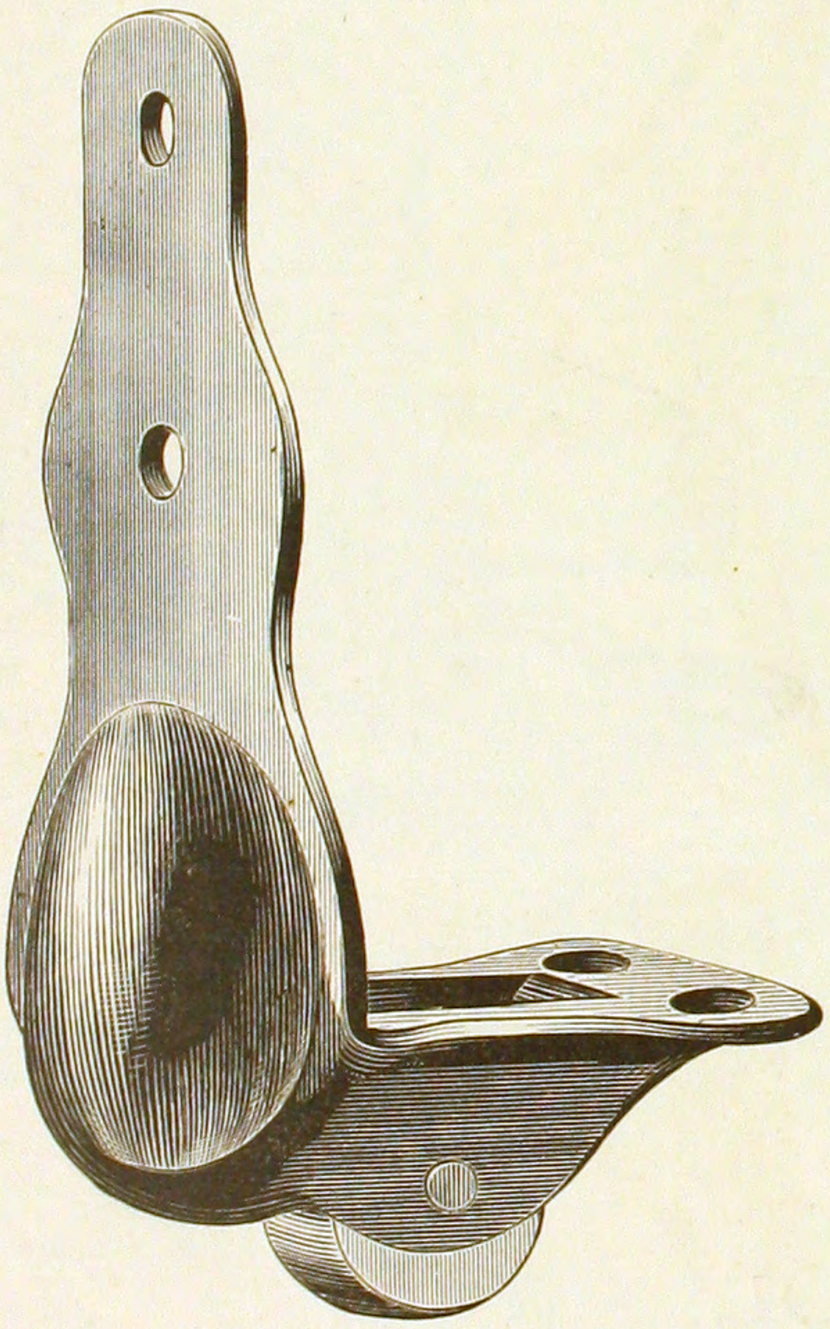


Full size Cut of No. 48.

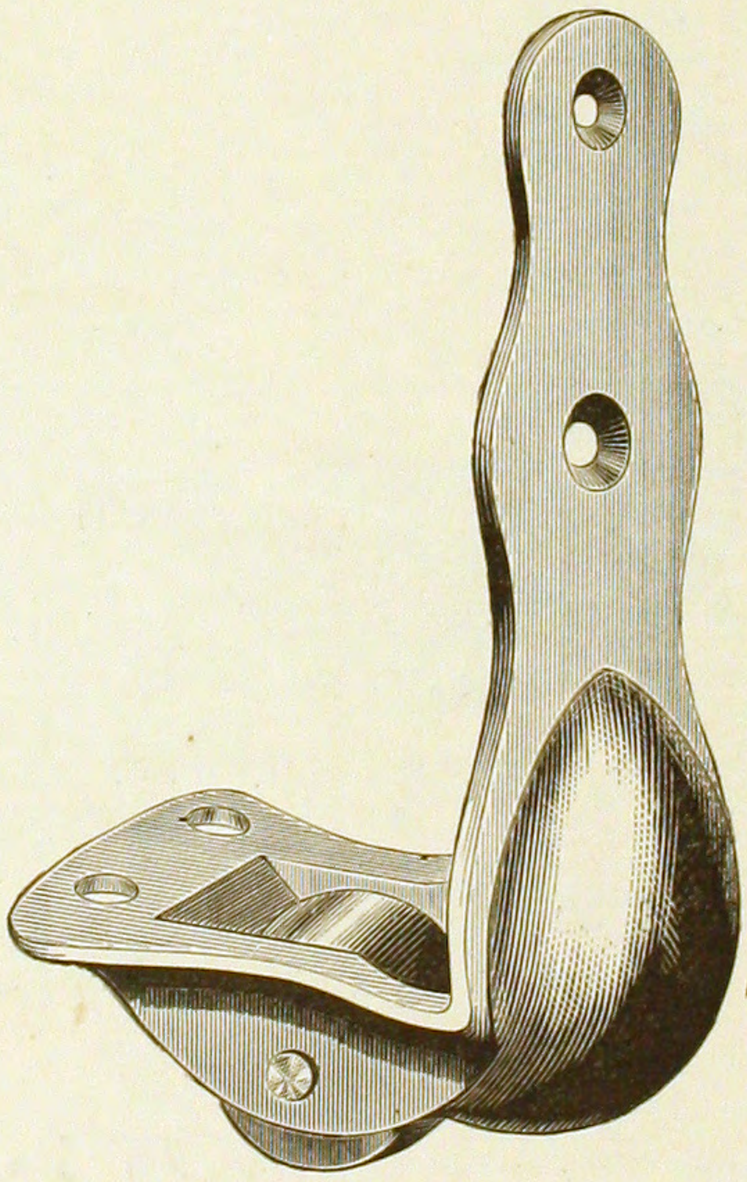
Japanned, ...	$10 50 per gross.
Tinned, ...	13 00 "

CORNER ROLLERS.

MALLEABLE IRON.



Full size Cut of No. 1.

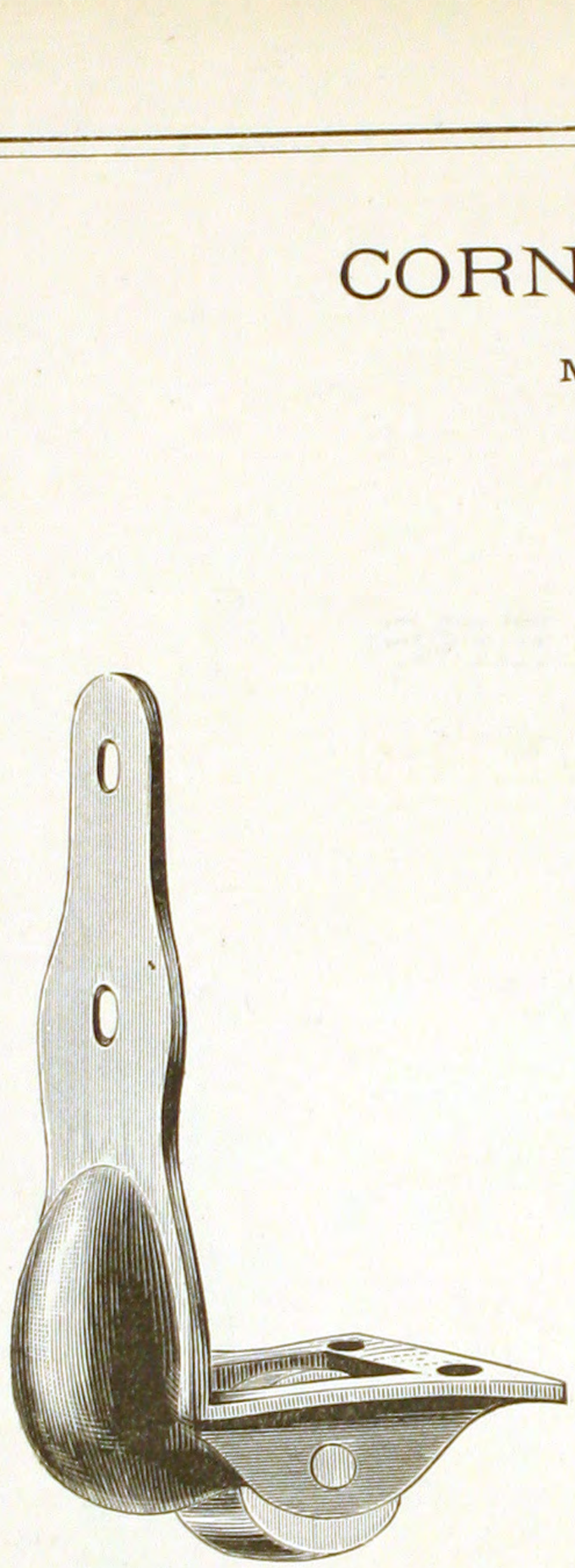


Full size Cut of No. 2.

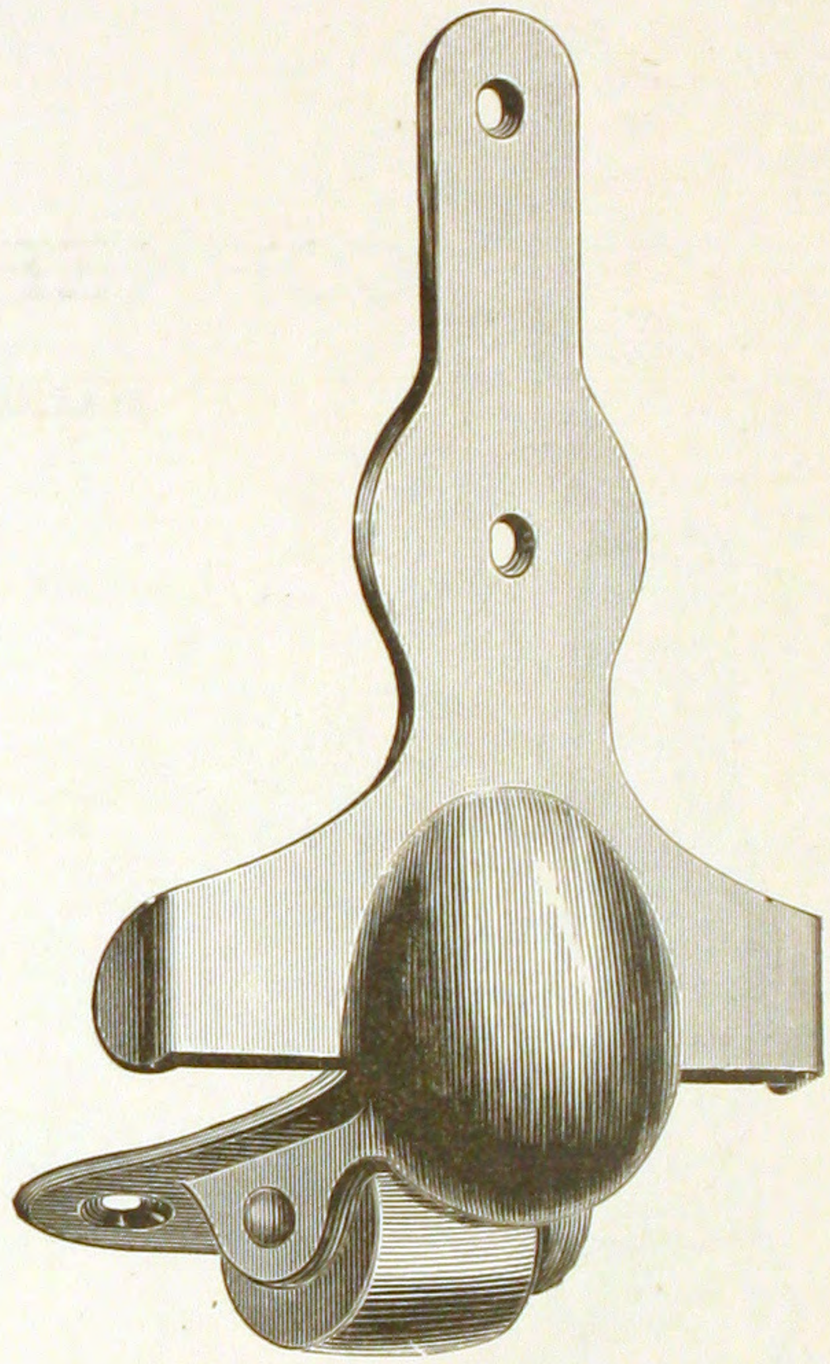
	Japanned.	Tinned.
No. 1, 18 gross in a barrel, ...	$6 50	10 25 per gross.
" 2, 23 " "	5 40	8 00 "

CORNER ROLLERS.

MALLEABLE IRON.



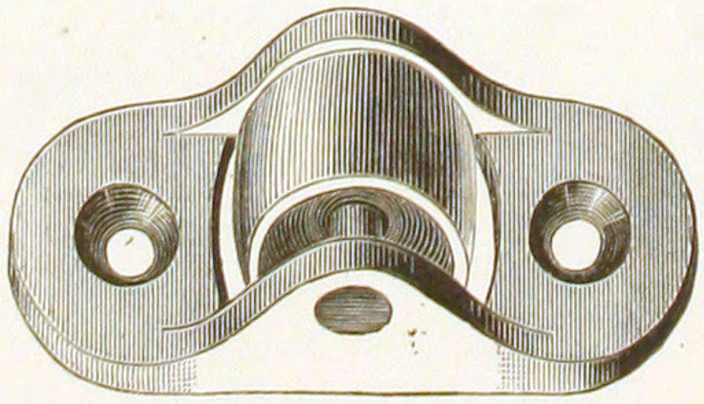
Full size Cut of No. 3.



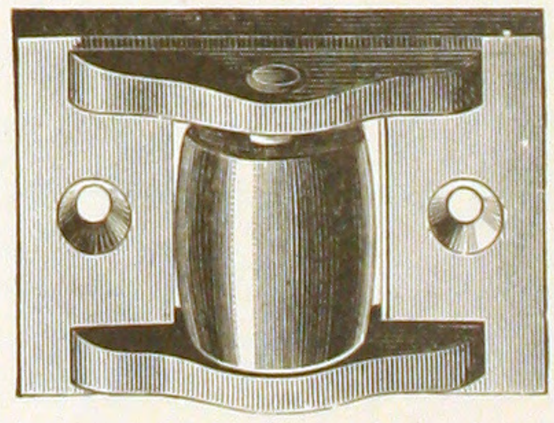
Full size Cut of No. 4.

	Japanned.	Tinned.
No. 3, 32 gross in a barrel, ...	$4 30	6 50 per gross.
" 4, 14 " "	7 20	11 00 "

BOTTOM ROLLERS.



Full size Cut of No. 0.

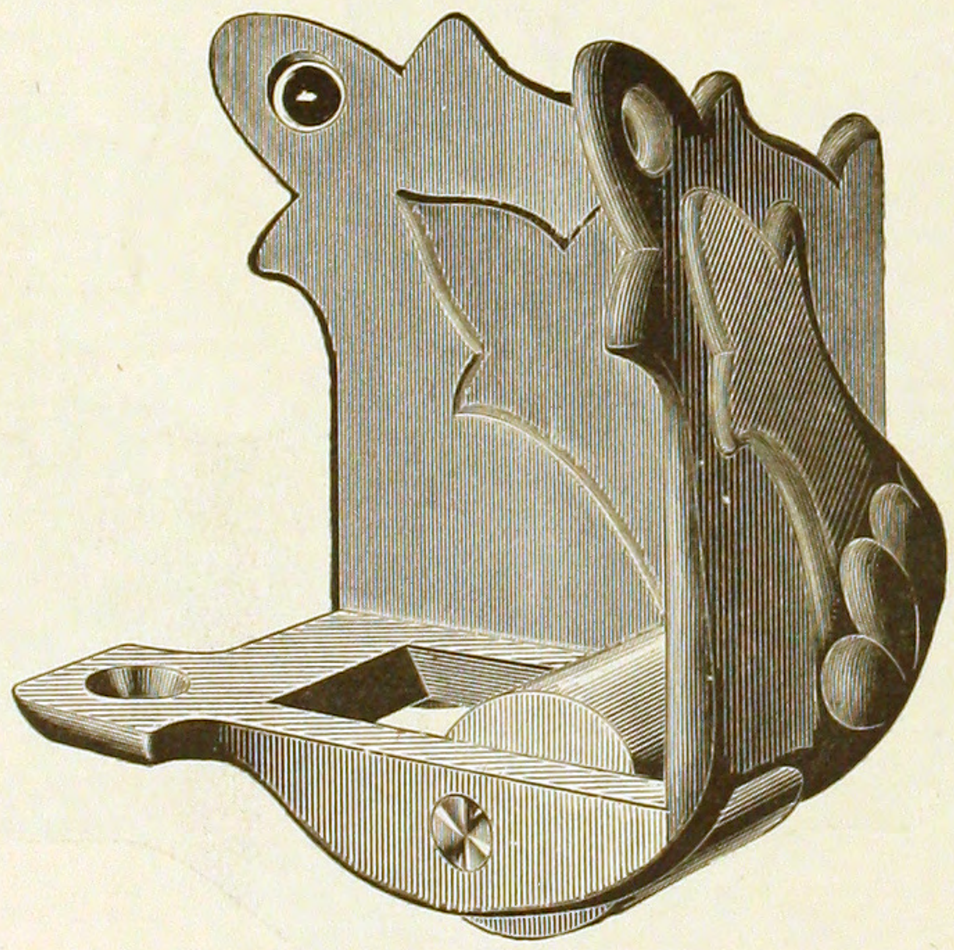


Full size Cut of Nos. 5 and 6.

No. 0, 68 gross in a barrel, Gray Iron, ...	$1 56 per gross.
" 5, 60 " " " "	3 00 "
" 6, 60 " " Malleable Iron, ...	5 25 "

CORNER ROLLERS.

MALLEABLE IRON.



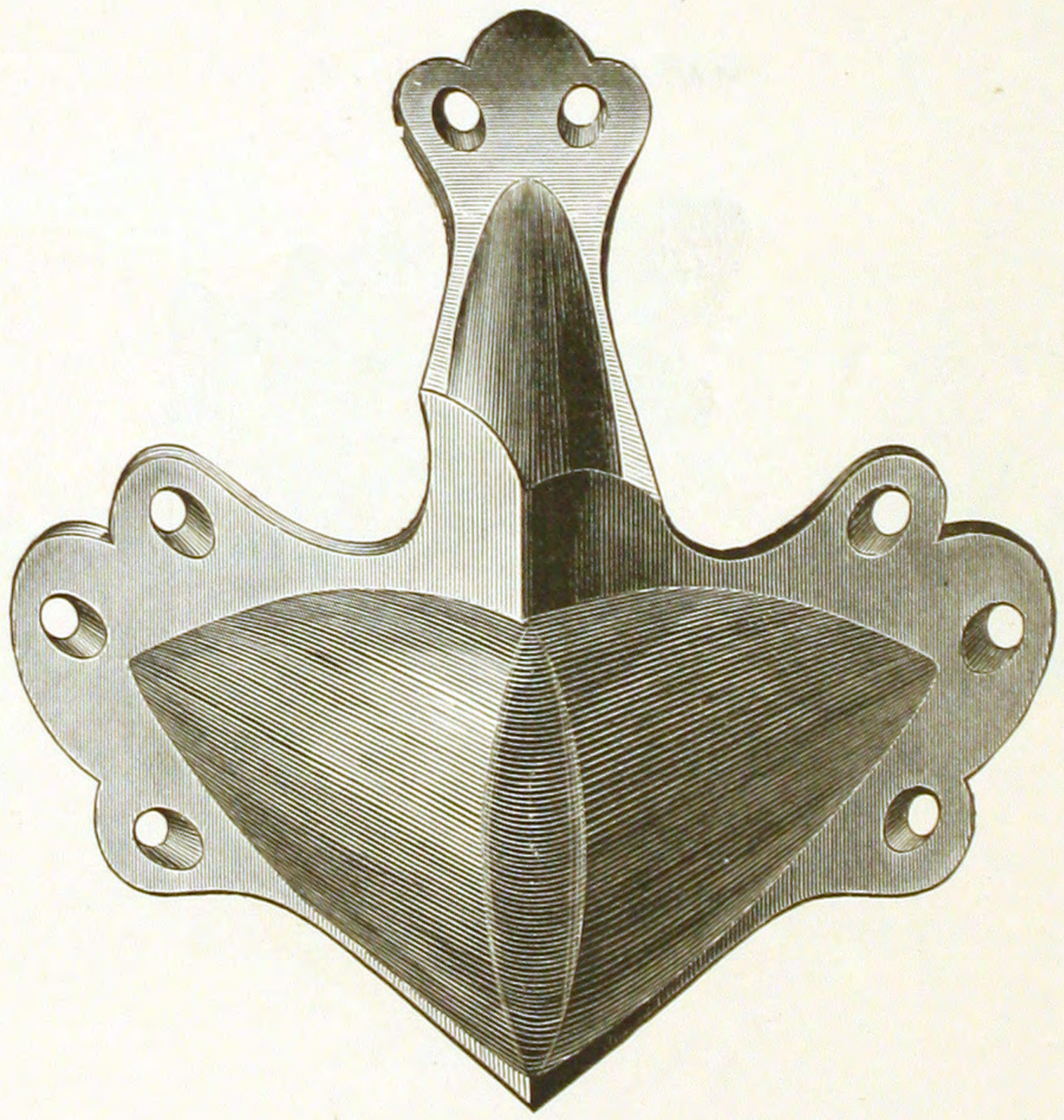
Full size Cut of No. 20.

	Plain.	Japanned.	Tinned.
No. 20, 14 gross in a barrel, . .	$14 50	15 50	18 50 per gross.

These go in pairs, Right and Left.

CORNER CLAMPS.

MALLEABLE IRON.



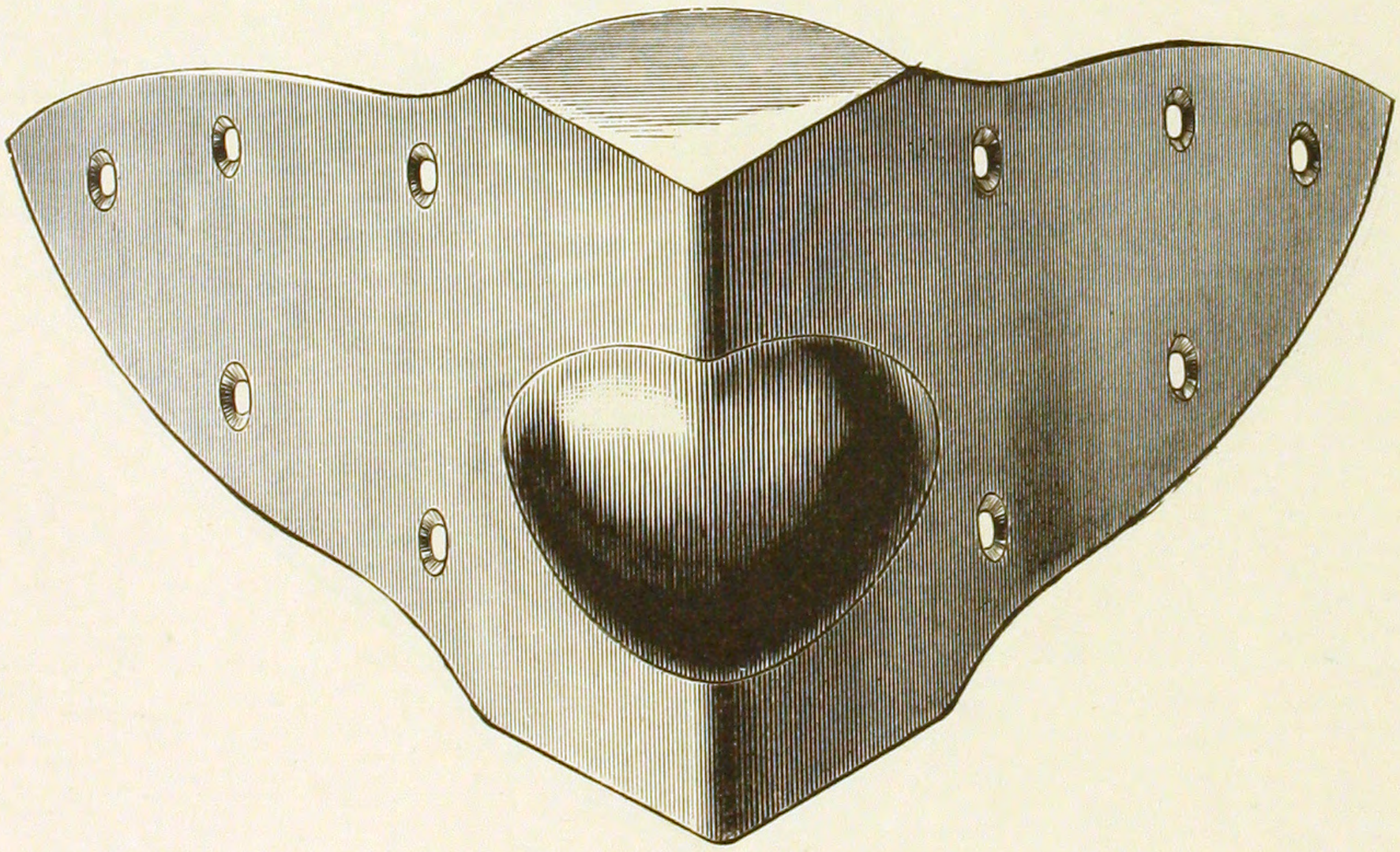
Full size Cut of Nos. 7 and 8.

Nos. 7 and 8, Japanned, ...	$5 50 per gross.
" 7 and 8, Tinned, ...	7 40 "

These go in pairs, Right and Left. No. 7 is one hand, and No. 8 the opposite hand.

CORNER CLAMPS.

MALLEABLE IRON.

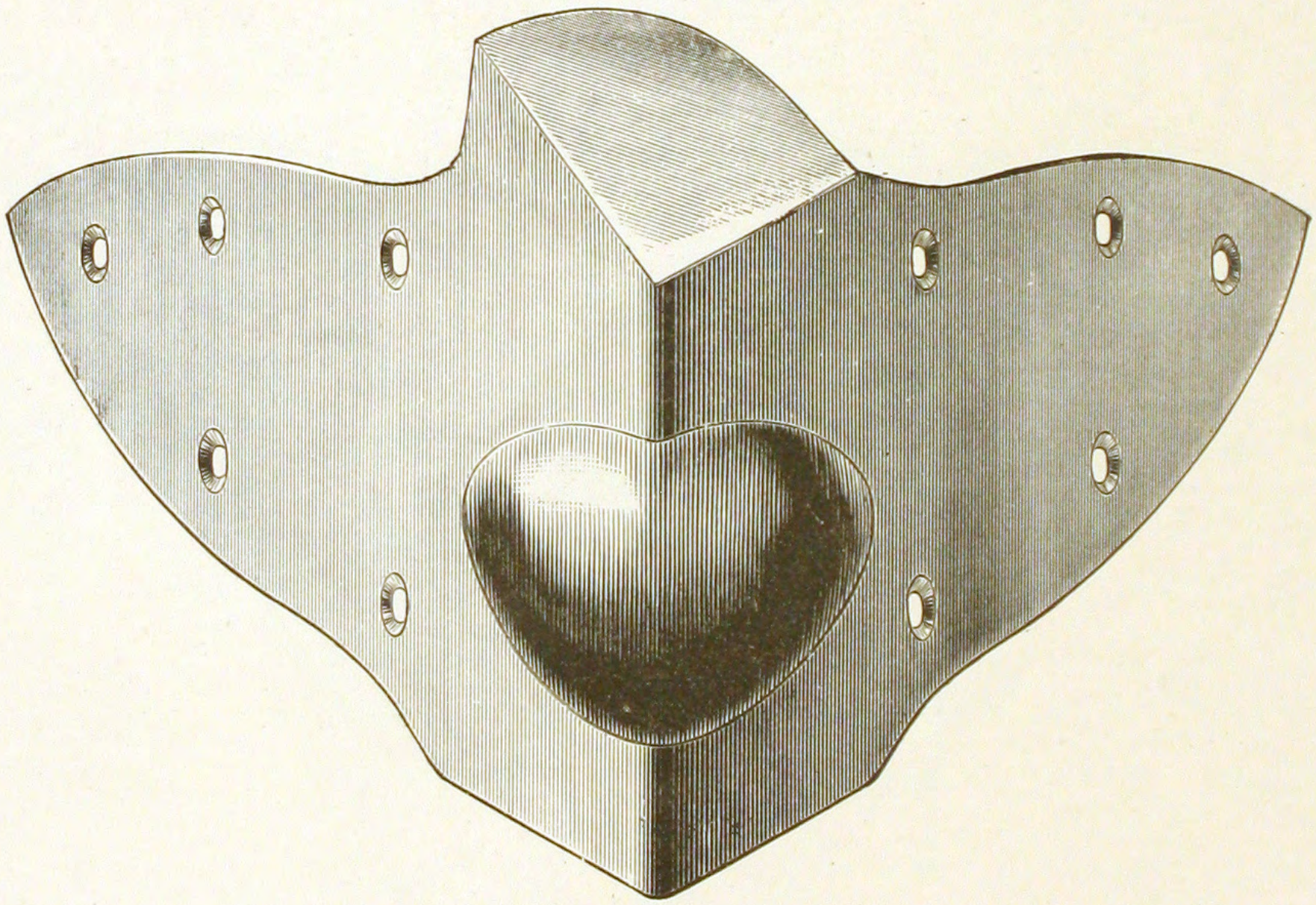


Full size Cut of No. 10.

No. 10, Japanned, 2¼ inches wide, 3½ x 3½ inches, . . .	$13 00	per gross.
" 10, Tinned, " " " " " " . . .	18 00	"

CORNER CLAMPS.

MALLEABLE IRON.



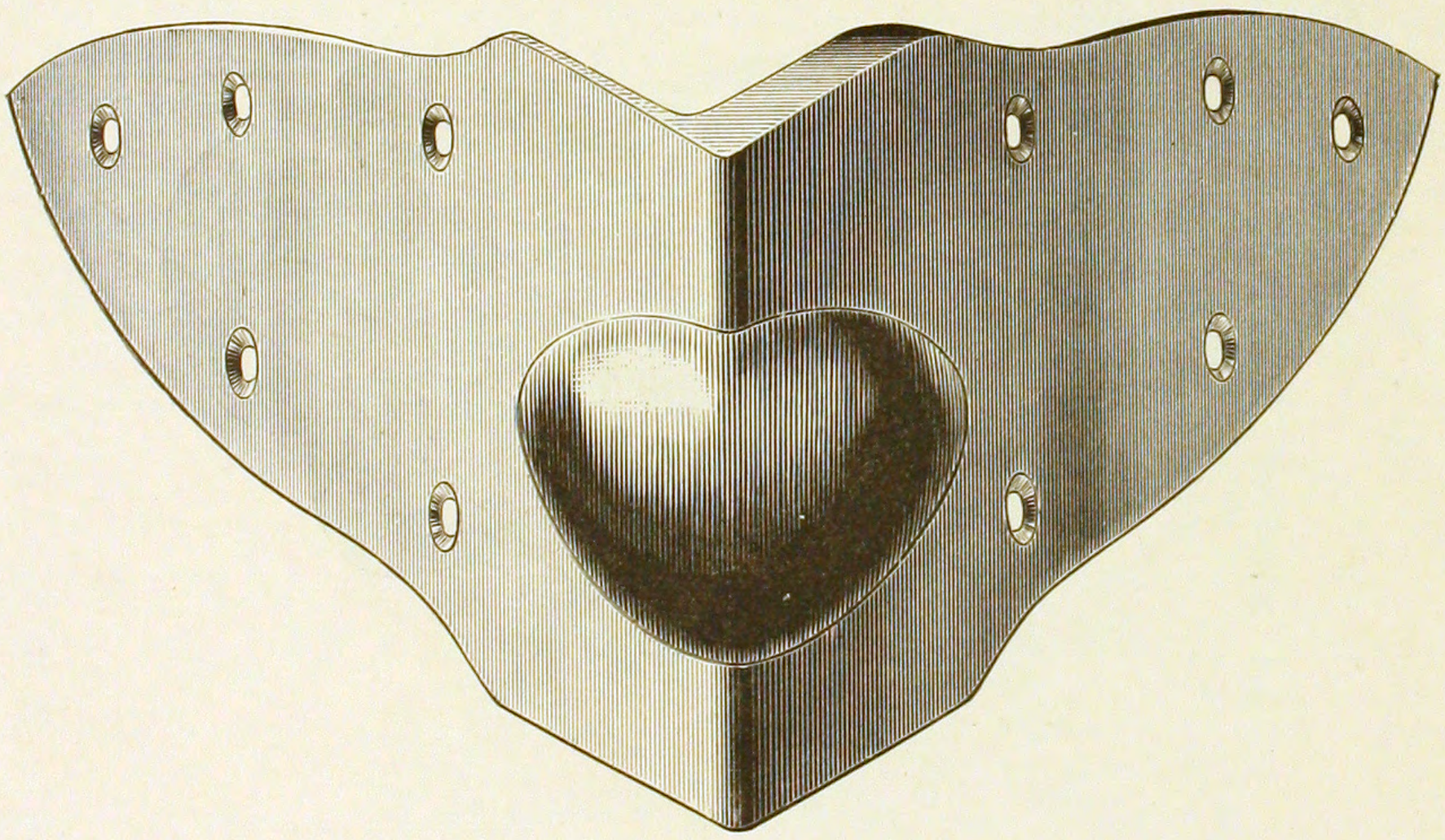
Full size Cut of Nos. 11 and 11½.

Nos. 11 and 11½, Japanned, 2½ inches wide 3½ x 3½ inches, . . $13 60 per gross.
" 11 and 11½, Tinned, " " " " " " . . 18 70 "

These go in pairs, Right and Left. No. 11 is one hand, and No. 11½ the opposite hand.

CORNER CLAMPS.

MALLEABLE IRON.

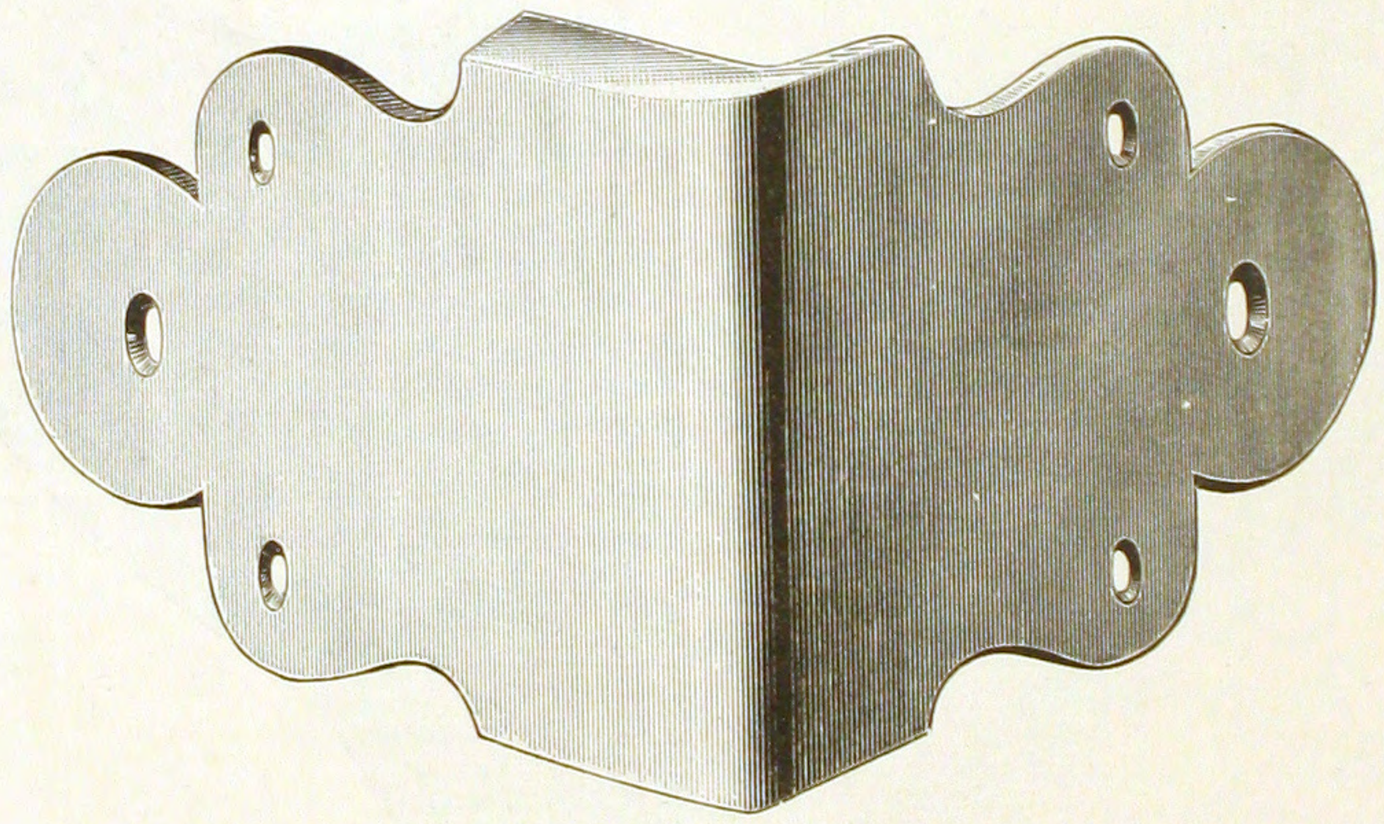


Full size Cut of No. 13.

No. 13, Japanned, 2½ inches wide, 3½ x 3½ inches, . . .	$11 00 per gross.
" 13, Tinned, " " " " " " . . .	20 00 "

CORNER CLAMPS.

MALLEABLE IRON.

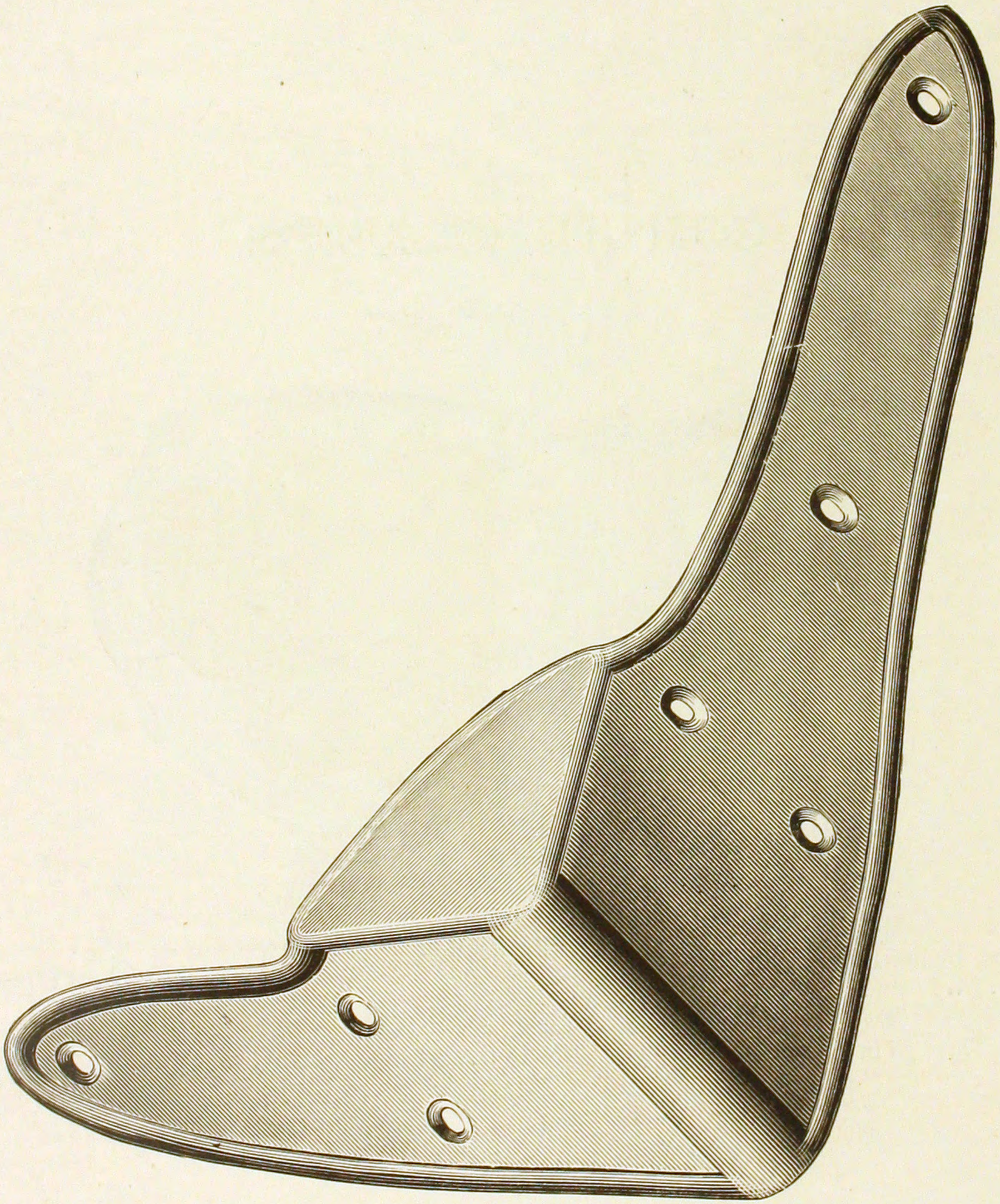


Full size Cut of No. 12, and style of No. 17.

	Japanned.	Tinned.
No. 12, 2 inches wide, 2¾ x 2¾ inches,. . .	$7 00	11 00 per gross.
" 17, 2¼ " " 2⅞ x 2⅞ " . . .	8 00	12 00 "

CORNER CLAMPS.

MALLEABLE IRON.



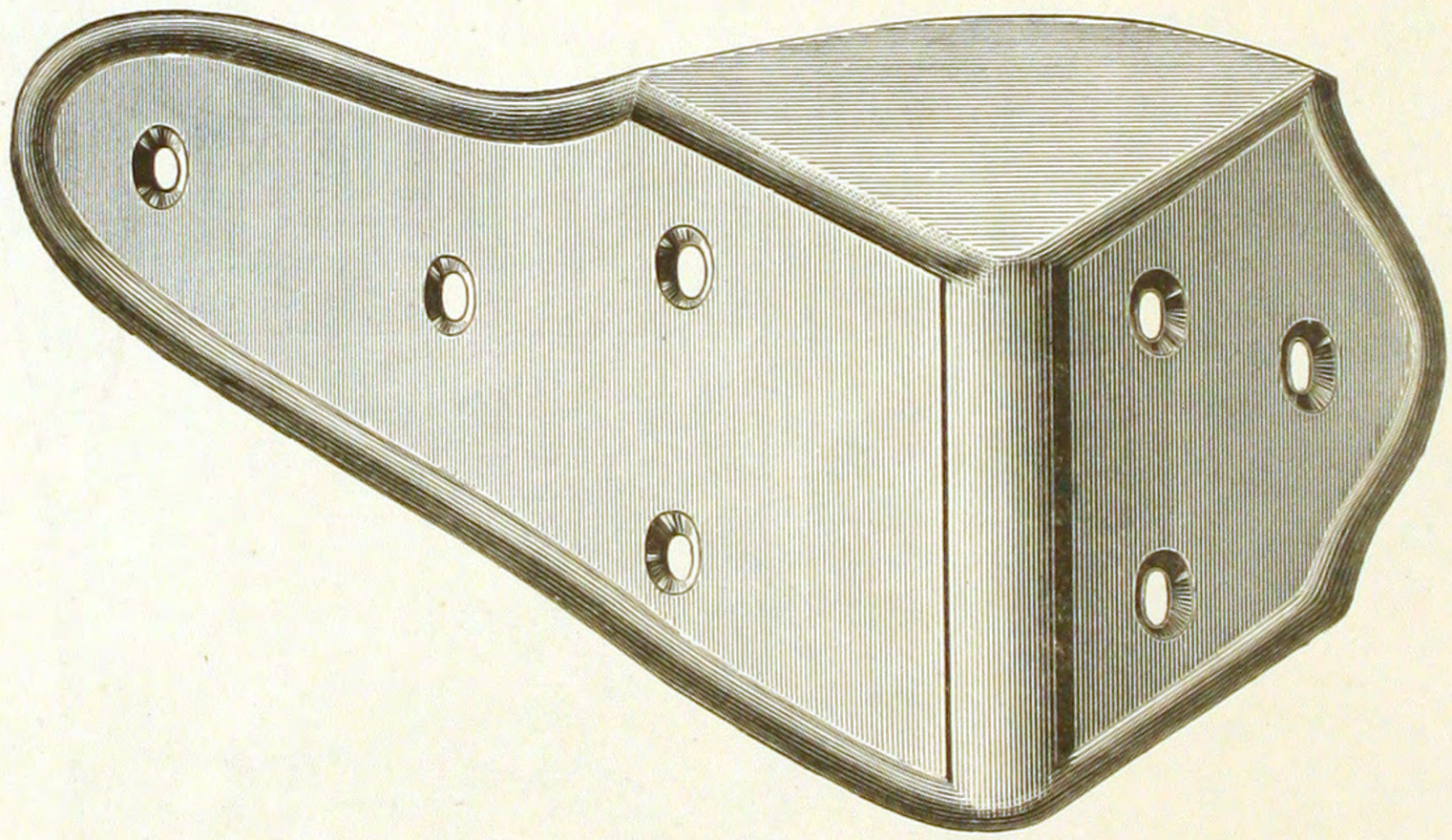
Full size Cut of Nos. 14 and 14½.

Nos. 14 and 14½, Japanned, ...	$21 00 per gross.
" " " Tinned, ...	28 75 "

These go in pairs, Right and Left. No. 14 is one hand, and No. 14½ the opposite hand.

CORNER CLAMPS.

MALLEABLE IRON



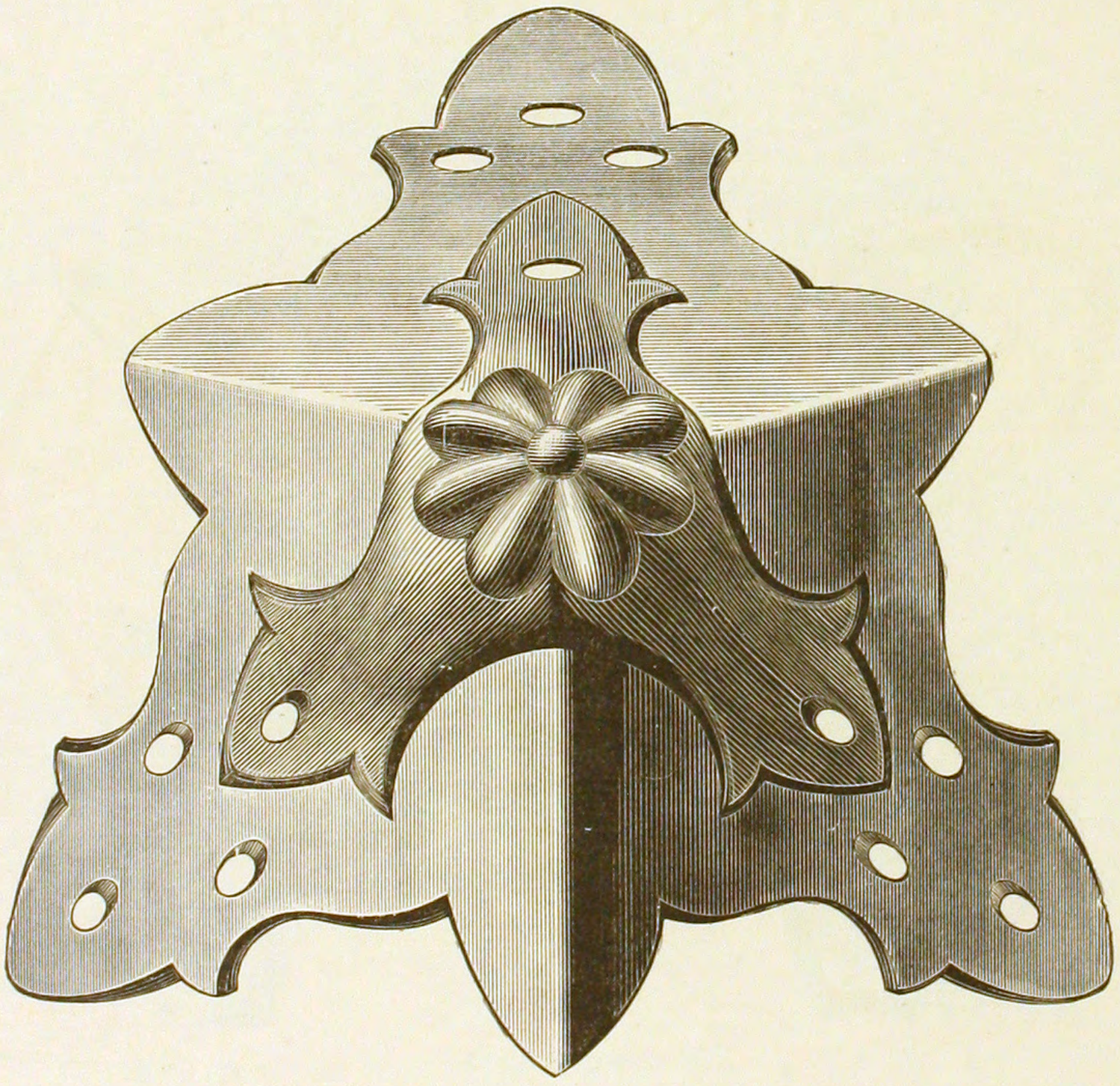
Full size Cut of Nos. 15 and 15½.

Nos. 15 and 15½, Japanned, ...	$10 00 per gross.
" " " Tinned, ...	15 00 "

These go in pairs, Right and Left. No. 15 is one hand, No. 15½ the opposite hand.

CORNER CLAMPS.

MALLEABLE IRON.

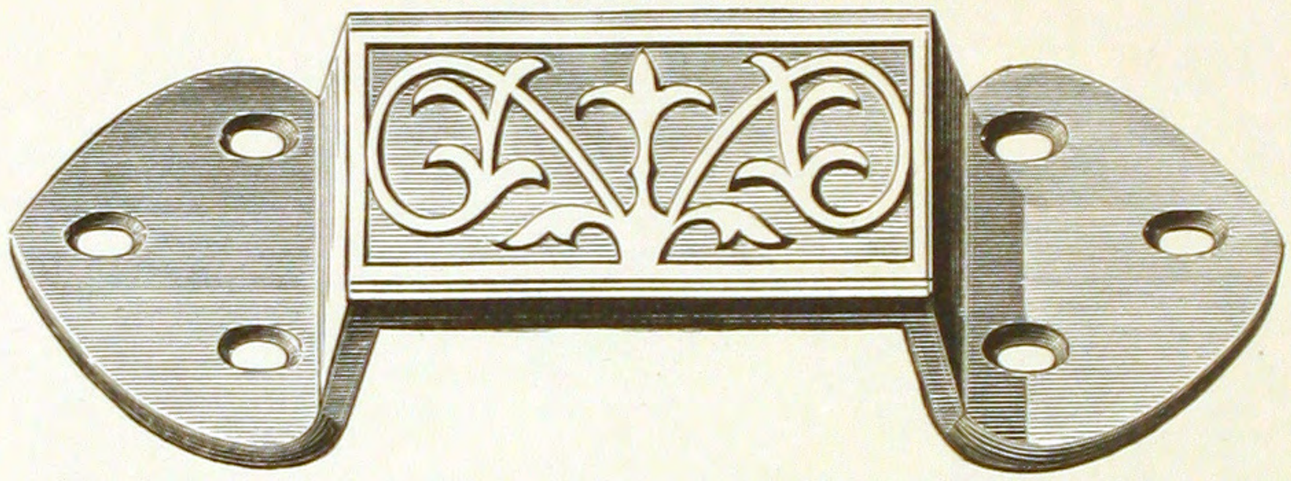


Full size Cut of No. 49, and style of No. 50.

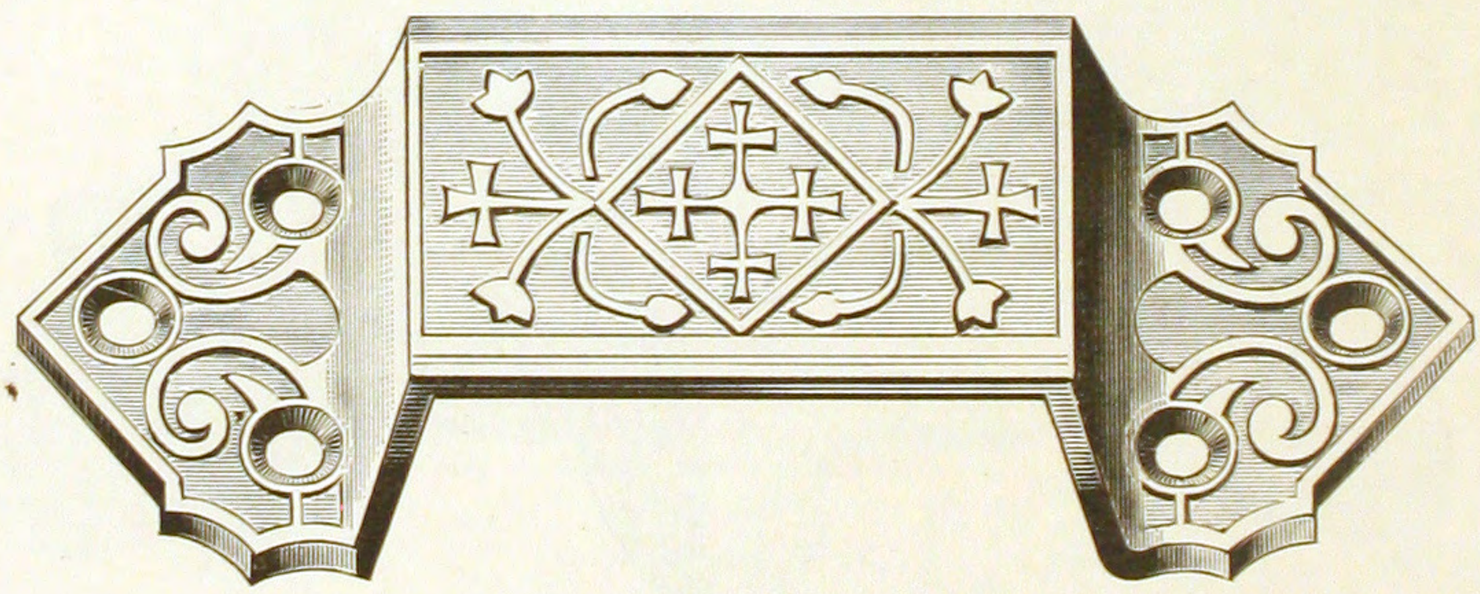
	Japanned.	Tinned.
No. 50, ...	$9 50	14 50 per gross.
" 49, ...	15 60	23 50 "

HANDLE LOOPS.

MALLEABLE IRON.



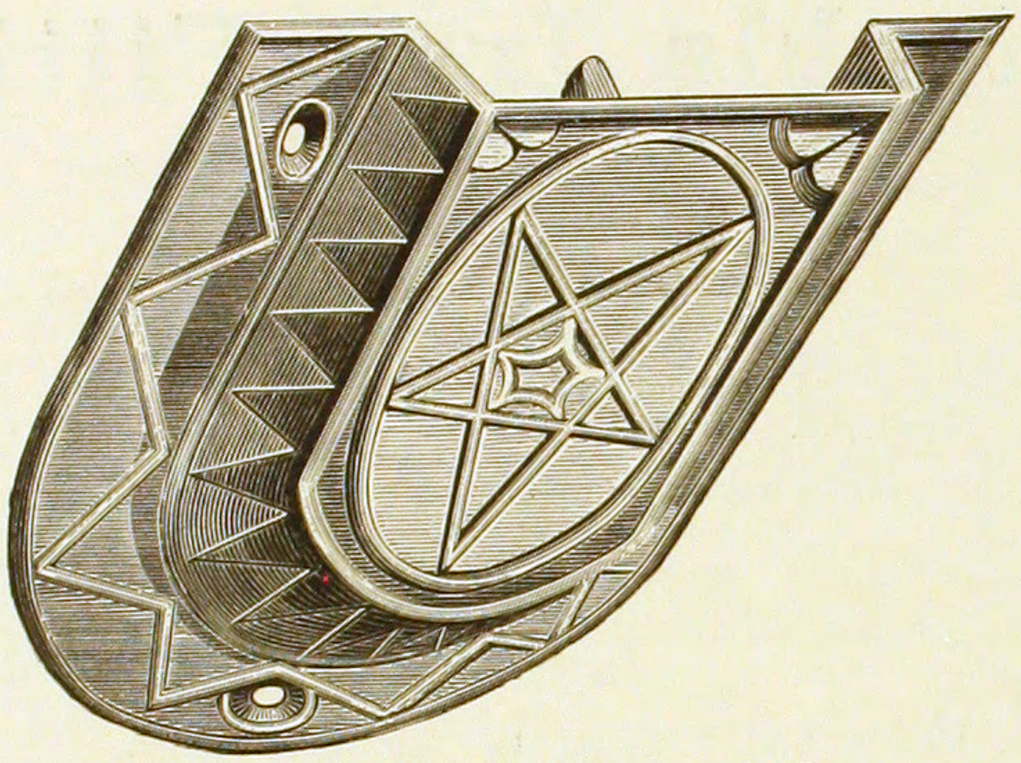
Full size Cut of 1½ inch.



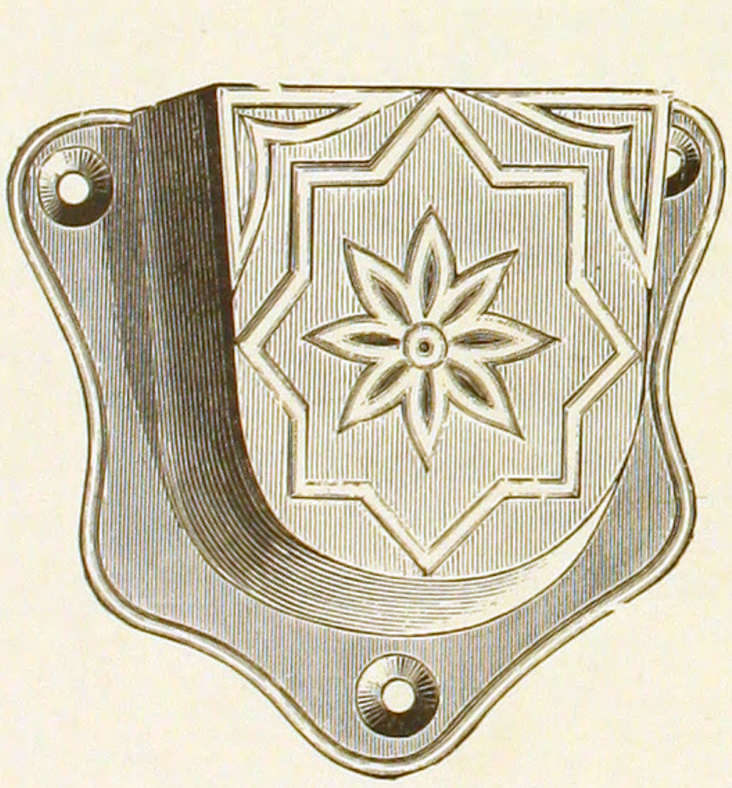
Full size Cut of 1¾ inch.

	Japanned.	Tinned.
1½ inches, ...	$4 00	5 50 per gross.
1¾ "	5 00	7 00 "

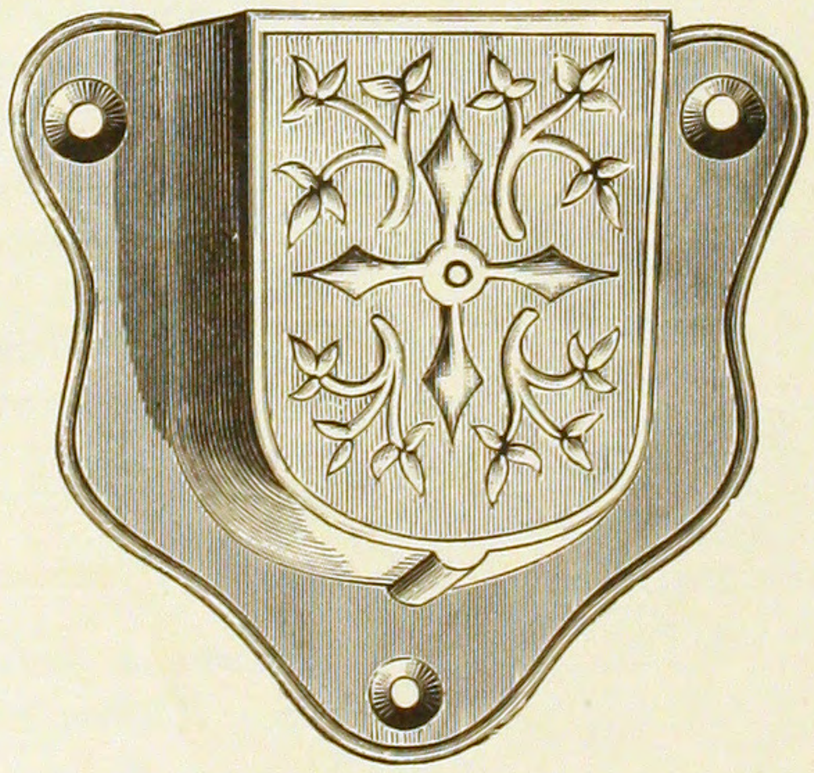
HANDLE CAPS.



Full size Cut of Nos. 2 and 12.



Full size Cut of Nos. 3 and 13.



Full size Cut of Nos. 4 and 14.

				Japanned.	Tinned.
No. 2,	Malleable Iron,	1⅜	inches,	$4 00	6 50 per gross.
" 3,	"	"	1¼ "	3 00	4 50 "
" 4,	"	"	1¼ "	3 75	5 75 "
" 5,	"	"	1¼ "	3 30	5 60 "
" 12,	Gray	"	1⅜ "	2 80	"
" 13,	"	"	1¼ "	1 80	"
" 14,	"	"	1¼ "	2 30	"
" 15,	"	"	1¼ "	2 10	"

PRICE LIST AND CLASSIFICATION

OF

Malleable Iron Fittings.

Class A, ... Price, 25 cents per pound.

Elbows, 1/8, 1/4 x 1/8.
Tees, 1/8.
Couplings, R. H., 1/8.

Class B, ... Price, 13 cents per pound.

Elbows and Tees, 1/4 to 1/2 x 3/8 inclusive.
Street Elbows, 1/2 to 3/4 x 1.
Elbows, side outlets, all sizes.
Crosses, 3/8 to 1 inclusive.
Drop Ells and Tees, all sizes.
Caps, Plugs, Lock Nuts, 1/4 to inch inclusive.
Reducing Couplings, 3/8 x 1/4 and 1 x 3/4 inclusive.
Extension Pieces.
R. and L. Couplings, 1/4 to 3/4 inclusive.
R. H. Couplings, 1/4 and 3/8.
Waste Nuts.
Chandelier Hooks.
Return Bends, all sizes.

Class C, ... Price, 11 cents per pound.

Elbows and Tees, 1/2, 3/4 and 1.
Street Elbows, 1 1/4 x 1 and larger.
Crosses, 1 1/4 and larger.
Caps, Plugs and Lock Nuts, 1 1/4 and larger.
Reducing Couplings, 1 1/4 x 1/2 and larger.
R. and L. " 1 and larger.
R. H. " 1/2, 3/4 and 1.

Class D, ... Price, 10 cents per pound.

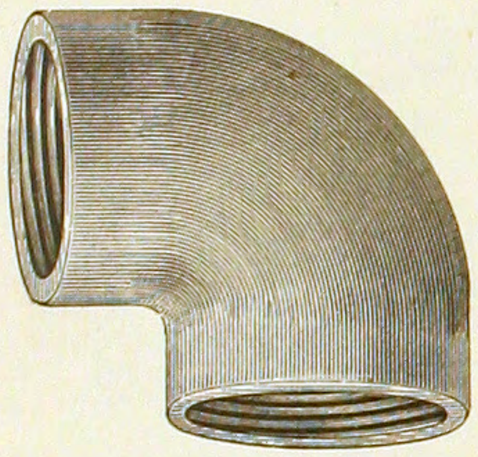
Elbows, 1 1/4 x 1 and larger.
Tees, 1 1/4 x 3/8 x 1 1/4 and larger.
R. H. Couplings, 1 1/4 and larger.

GALVANIZED AND TINNED FITTINGS, 5 CTS. PER POUND EXTRA.

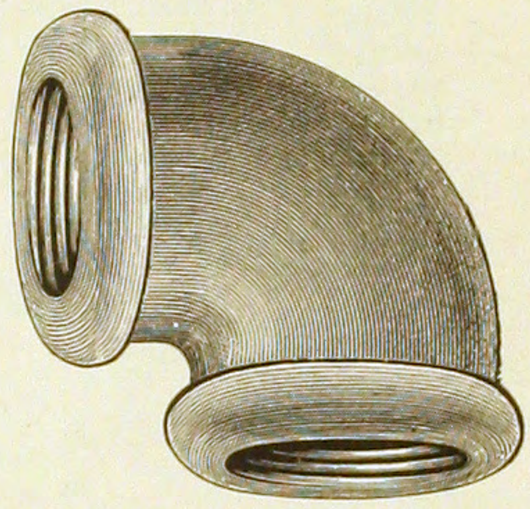
PRICES SUBJECT TO CHANGE WITHOUT NOTICE.

Malleable Iron Fittings.

ELBOWS.



Plain without bead for gas.



With bead for steam and water.

CLASS A.

No.	Size.
1,	⅛
2,	¼ x ⅛

CLASS B.

3,	¼
4,	⅜ x ¼
5,	⅜
6,	½ x ⅜

CLASS C.

7,	½
8,	¾ x ⅜
9,	¾ x ½
10,	¾
11,	1 x ½
12,	1 x ¾
13,	1
14,	1¼ x ¾

CLASS D.

No.	Size.
15,	1¼ x 1
16,	1¼
17,	1½ x 1
18,	1½ x 1¼
19,	1½
20,	2 x 1
21,	2 x 1½
22,	2
23,	2½ x 1½
24,	2½ x 2
25,	2½
26,	3 x 2
27,	3 x 2½
28,	3
29,	3½ x 3
30,	3½
31,	4 x 3½
32,	4

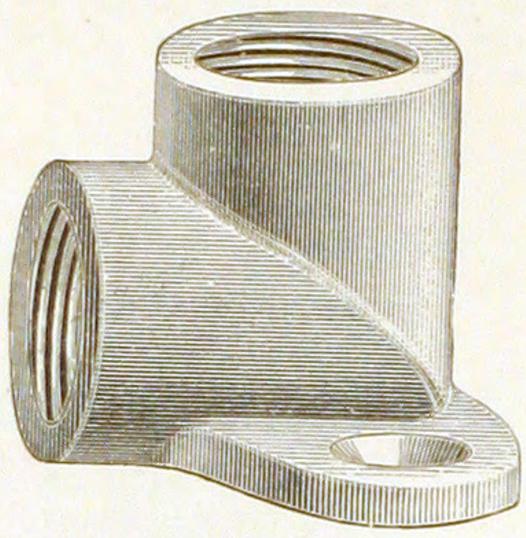
All sizes above 2 inches are with bead or band.

In ordering be particular to mention beaded or plain.

Malleable Iron Fittings.

Drop Elbows.

FEMALE.

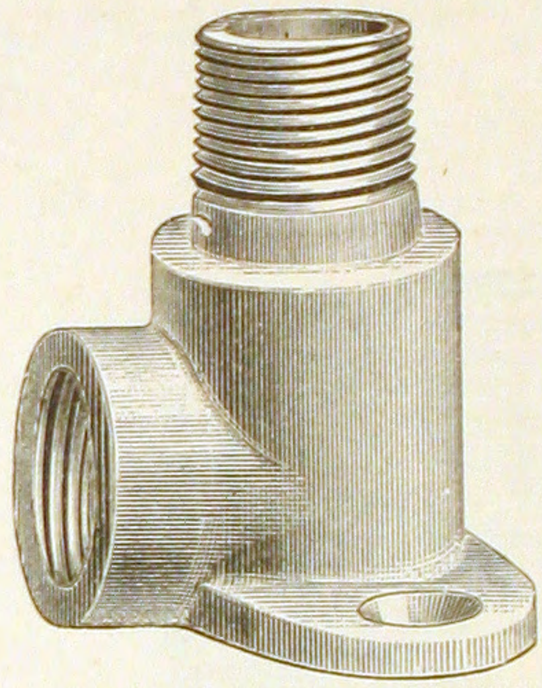


CLASS B.

No.	Size
33,	¼ x ¼
36,	⅜ x ¼
39,	⅜ x ⅜
43½,	½ x ½
43¾,	¾ x ¾

Drop Elbows.

MALE AND FEMALE.

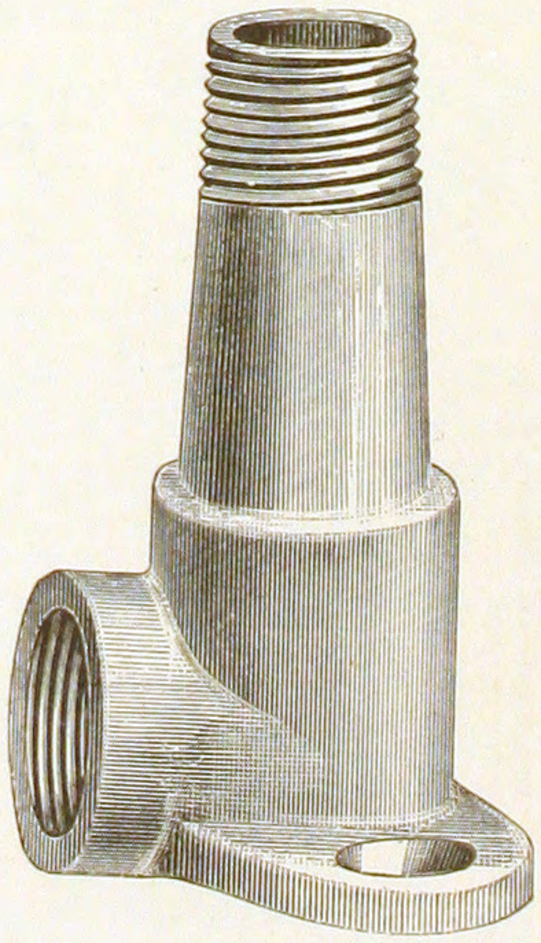


CLASS B.

No.	Size.
34,	¼ x ⅜
37,	⅜ x ⅜

Drop Elbows.

WITH LONG OUTLET PIECE.

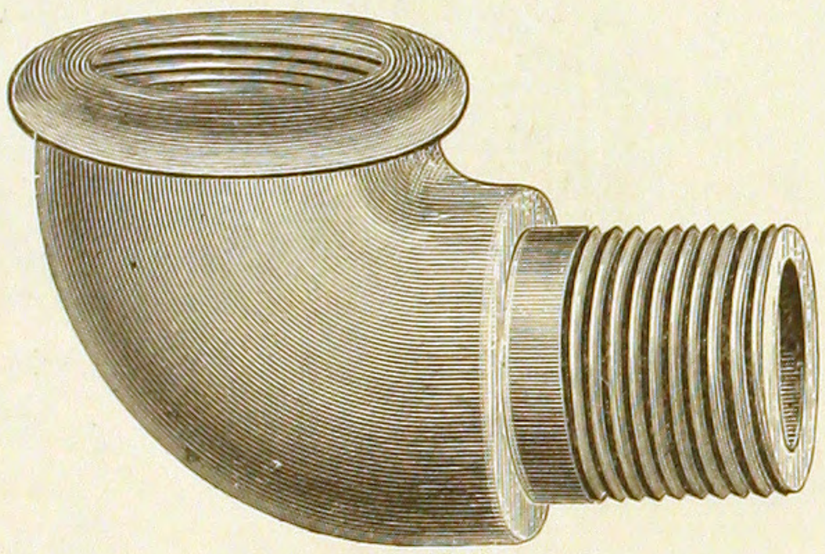


CLASS B.

No.	Size.
35,	¼ x ⅜
38,	⅜ x ⅜

Malleable Iron Fittings.

Street Elbows.



Full size ½ inch.

CLASS B.

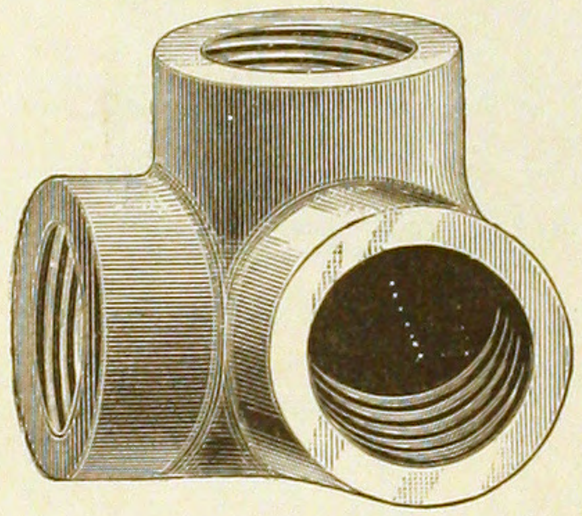
No.	Size.
44,	½
45,	¾ x ½
46,	¾
47,	1 x ¾
48,	1

CLASS C.

49,	1¼ x 1
50,	1¼
50½,	1½ x 1
51,	1½ x 1¼
52,	1½
52¼,	2 x 1
52½,	2 x 1¼
53,	2 x 1½
54,	2

Elbows

WITH SIDE OUTLETS.



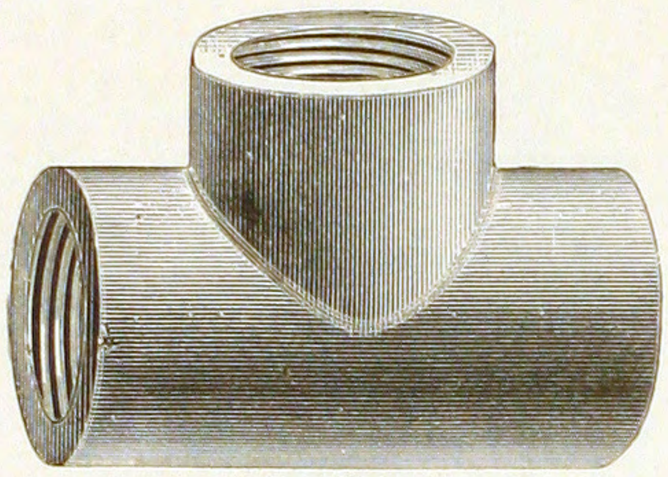
Full size ⅜ inch.

CLASS B.

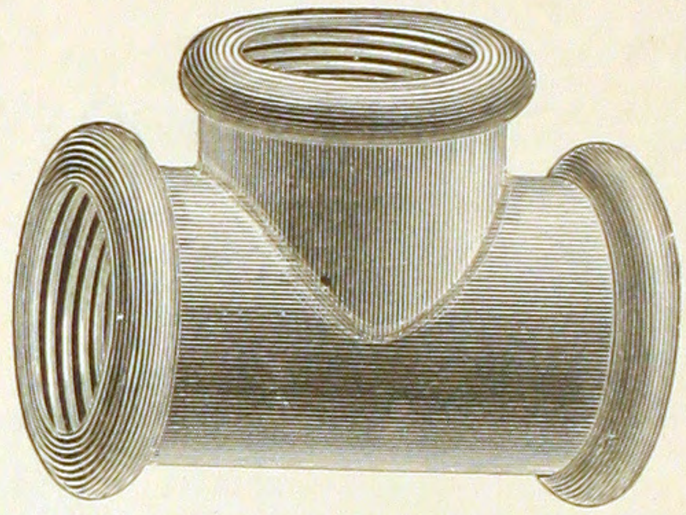
No.	Size.
55,	⅜ x ⅜ x ¼
56,	⅜ x ⅜ x ⅜
57,	½ x ½ x ⅜
58,	½ x ½ x ½
59,	¾ x ¾ x ⅜
60,	¾ x ¾ x ½
61,	¾ x ¾ x ¾
62,	1 x 1 x ⅜
63,	1 x 1 x ½
64,	1 x 1 x ¾
65,	1 x 1 x 1
66,	1¼ x 1¼ x 1
67,	1¼ x 1¼ x 1¼
67½,	1½ x 1½ x 1½

Malleable Iron Fittings.

Tees.



Plain, without bead for gas.



With bead for steam and water.

In ordering Tees the run is first named, and the outlet thus :

$$\frac{1}{2} = \frac{3}{8} = \frac{1}{2} \times \frac{3}{8} \times \frac{3}{8}$$

$$\frac{1}{2} = \frac{3}{8} = \frac{1}{2} \times \frac{3}{8}$$

CLASS A.

No.	Size.
68,	1/8
69,	1/8 x 1/4
70,	1/4 x 1/8

CLASS B.

71,	1/4
72,	1/4 x 3/8
73,	3/8 x 1/4 x 1/4
74,	3/8 x 1/4 x 3/8
75,	3/8 x 1/4
76,	3/8
77,	3/8 x 1/2
78,	1/2 x 3/8 x 1/4
79,	1/2 x 1/4
80,	1/2 x 3/8 x 3/8
81,	1/2 x 3/8
82,	1/2 x 3/8 x 1/2
84,	1/2 x 3/8 x 3/4

CLASS C.

No.	Size.
83,	1/2
85,	1/2 x 3/4
86,	3/4 x 3/8 x 1/2
87,	3/4 x 1/2 x 1/4
88,	3/4 x 1/2 x 3/8
89,	3/4 x 1/2 x 1/2
90,	3/4 x 1/4
91,	3/4 x 3/8
92,	3/4 x 1/2
93,	3/4 x 3/8 x 3/4
94,	3/4 x 1/2 x 3/4
95	3/4
96,	3/4 x 3/8 x 1
97,	3/4 x 1/2 x 1
98,	3/4 x 1

All sizes above 2 inches are banded.

In ordering be particular to mention beaded or plain.

Malleable Iron Fittings.

Tees.—Continued.

CLASS C.—Continued.

No.	Size.
99,	1 x ⅜ x ¾
100,	1 x ½ x ¾
101,	1 x ¾ x ¾
102,	1 x ½ x ⅜
103,	1 x ¾ x ⅜
104,	1 x ½ x ½
105,	1 x ¾ x ½
106,	1 x ⅜ x 1
107,	1 x ½ x 1
108,	1 x ¾ x 1
109,	1 x ⅜
110,	1 x ½
111,	1 x ¾
112,	1
113,	1 x ⅜ x 1¼
114,	1 x ½ x 1¼
115,	1 x ¾ x 1¼
116,	1 x 1¼

CLASS D.

117,	1¼ x 1 x ⅜
118,	1¼ x 1 x ½
119,	1¼ x 1 x ¾
120,	1¼ x 1 x 1
121,	1¼ x ⅜ x 1
122,	1¼ x ½ x 1
123,	1¼ x ¾ x 1
124,	1¼ x ⅜
125,	1¼ x ½
126,	1¼ x ¾
127,	1¼ x 1
128,	1¼ x ⅜ x 1¼
129,	1¼ x ½ x 1¼
130,	1¼ x ¾ x 1¼
131,	1¼ x 1 x 1¼
132,	1¼
133,	1¼ x 1½
133½,	1¼ x 2
134,	1½ x 1 x 1

CLASS D.—Continued.

No.	Size.
135,	1½ x 1¼ x 1
136,	1½ x 1 x 1¼
137,	1½ x 1¼ x 1¼
138,	1½ x ½
139,	1½ x ¾
140,	1½ x 1
141,	1½ x 1¼
142,	1½ x ⅜ x 1½
143,	1½ x ½ x 1½
144,	1½ x ¾ x 1½
145,	1½ x 1 x 1½
146,	1½ x 1¼ x 1½
147,	1½
147½,	1½ x 2
148,	2 x 1¼ x 1¼
149,	2 x 1¼ x 1½
150,	2 x 1½ x 1¼
151,	2 x 1½ x 1½
152,	2 x ⅜ x 2
153,	2 x ½ x 2
154,	2 x ¾ x 2
155,	2 x 1 x 2
156,	2 x 1¼ x 2
157,	2 x 1½ x 2
157½,	2 x ⅜
157¾,	2 x ½
158,	2 x ¾
159,	2 x 1
160,	2 x 1¼
161,	2 x 1½
162,	2
163,	2½ x 2
164,	2½
165,	3 x 2½
166,	3
167,	3½ x 3
168,	3½
169,	4 x 3½
170,	4

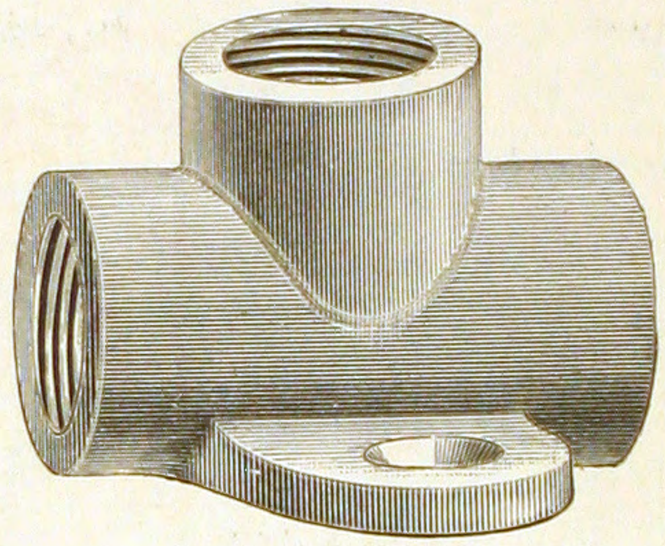
All sizes above 2 inches are banded.

In ordering be particular to mention beaded or plain.

Malleable Iron Fittings.

Drop Tees.

FEMALE.

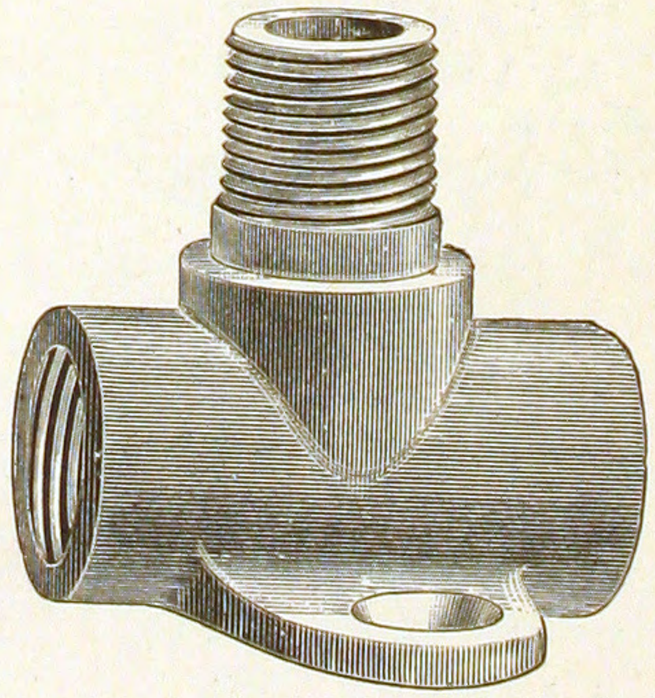


CLASS B.

No.	Size.	No.	Size.
170½,	¼ x ¼ x ¼	176,	¾ x ½ x ⅜
171,	⅜ x ⅜ x ¼	177,	¾ x ¾ x ⅜
172,	⅜ x ⅜ x ⅜	178,	¾ x ¾ x ½
173,	½ x ⅜ x ⅜	179,	¾ x ¾ x ¾
174,	½ x ½ x ⅜	180,	1 x ¾ x ⅜
175,	½ x ½ x ½	181,	1 x 1 x ⅜

Drop Tees.

MALE AND FEMALE.

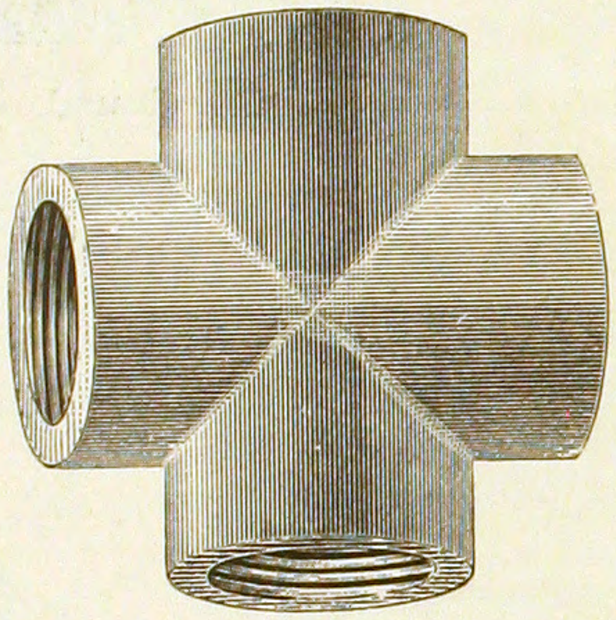


CLASS B.

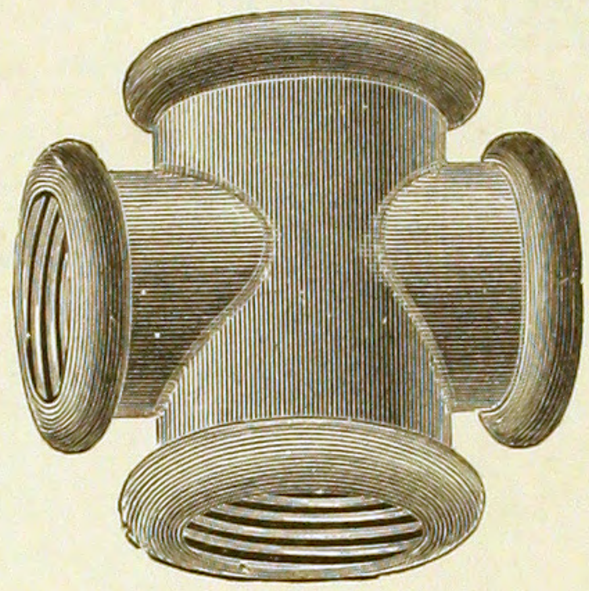
No.	Size.	No.	Size.
182,	¼ x ¼ x ⅜	187,	½ x ½ x ⅜
183,	⅜ x ¼ x ⅜	188,	¾ x ½ x ⅜
184,	⅜ x ⅜ x ⅜	189,	¾ x ¾ x ⅜
185, Long,	⅜ x ⅜ x ⅜	190,	1 x ¾ x ⅜
186,	½ x ⅜ x ⅜	191,	1 x 1 x ⅜

Malleable Iron Fittings.

Crosses.



Plain without bead for gas.



With bead for steam and water.

CLASS B.

No.	Size.
192,	¼ x ⅜
193,	¼ x ¼ x ⅜ x ¼
194,	¼ x ½
195,	⅜
196,	⅜ x ⅜ x ⅜ x ½
197,	½ x ⅜ x ½ x ⅜
198,	½ x ⅜
199,	½
200,	¾ x ½ x ⅜ x ⅜
201,	¾ x ⅜ x ½ x ⅜
202,	¾ x ⅜ x ½ x ½
202½,	¾ x ½ x ½ x ⅜
203,	¾ x ½ x ½ x ½
204,	¾ x ⅜ x ¾ x ⅜
205,	¾ x ⅜ x ¾ x ½
206,	¾ x ½ x ¾ x ½
207,	¾ x ⅜
208,	¾ x ¾ x ½ x ⅜
209,	¾ x ½
210,	¾
211,	1 x ½ x ⅜ x ⅜
212,	1 x ¾ x ⅜ x ⅜
213,	1 x ¾ x ½ x ½
214,	1 x ¾ x ¾ x ¾
215,	1 x ⅜ x 1 x ½

CLASS B.—Continued.

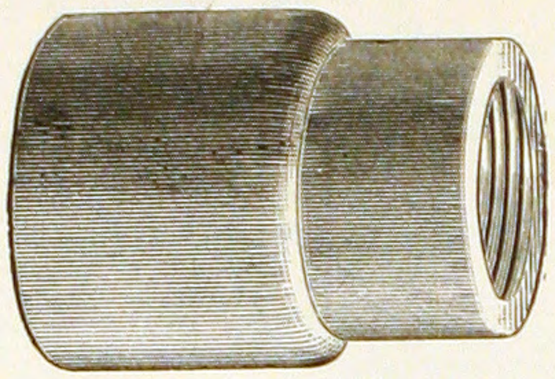
No.	Size.
216,	1 x ⅜ x 1 x ¾
217,	1 x ½ x 1 x ½
218,	1 x ½ x 1 x ¾
219,	1 x ¾ x 1 x ¾
220,	1 x ⅜
221,	1 x ½
222,	1 x ¾
223,	1

CLASS C

224,	1¼ x 1 x ¾ x ¾
225,	1¼ x 1 x 1 x 1
226,	1¼ x ⅜
227,	1¼ x ½
228,	1¼ x ¾
229,	1¼ x 1
230,	1¼
231,	1½ x 1¼ x 1¼ x 1¼
232,	1½ x 1
233,	1½ x 1¼
234,	1½
235,	2 x 1
236,	2 x 1¼
237,	2 x 1½
238,	2

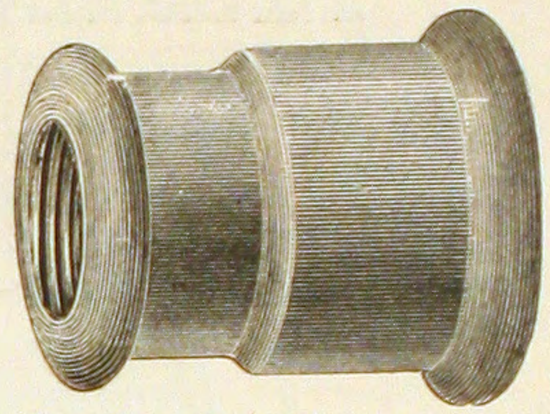
In ordering be particular to mention beaded or plain.

REDUCING COUPLINGS.



CLASS A.

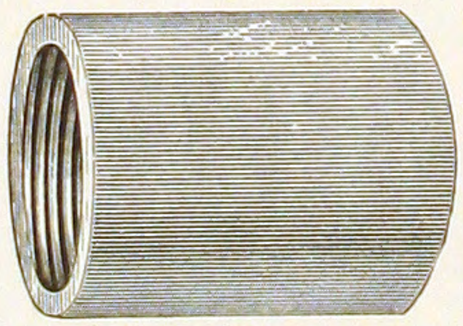
No.	Size.
238½,	¼ x ⅛
238¾,	⅜ x ⅛
CLASS B.	
239,	⅜ x ¼
240,	½ x ¼
241,	½ x ⅜
241½,	¾ x ¼
242,	¾ x ⅜
243,	¾ x ½
244,	1 x ⅜
245,	1 x ½
246,	1 x ¾
CLASS C.	
247,	1¼ x ½
248,	1¼ x ¾
249,	1¼ x 1
250,	1½ x ¾
251,	1½ x 1
252,	1½ x 1¼
253,	2 x ¾
254,	2 x 1
255,	2 x 1¼
256,	2 x 1½
500,	2½ x 1
501,	2½ x 1¼



CLASS C.—Continued.

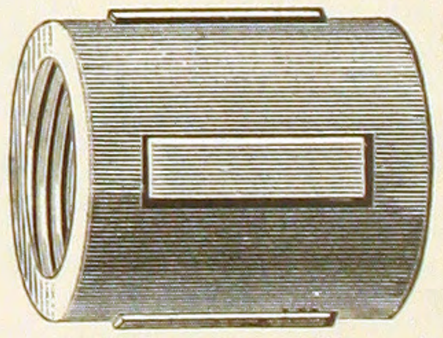
No.	Size.
502,	2½ x 1½
503,	2½ x 2
504,	3 x 1
505,	3 x 1¼
506,	3 x 1½
507,	3 x 2
508,	3 x 2½
509,	3½ x 2
510,	3½ x 2½
511,	3½ x 3
512,	4 x 2
513,	4 x 2½
514,	4 x 3
515,	4 x 3½
516,	4½ x 3
517,	4½ x 3½
518,	4½ x 4
519,	5 x 3
520,	5 x 3½
521,	5 x 4
522,	5 x 4½
523,	6 x 3
524,	6 x 3½
525,	6 x 4
526,	6 x 4½
527,	6 x 5

Couplings.



Right Hand.

No.	CLASS A.	Size.
256½,		⅛
	CLASS B.	
257,		¼
258,		⅜
	CLASS C.	
259,		½
260,		¾
261,		1
	CLASS D.	
262,		1¼
263,		1½
264,		2



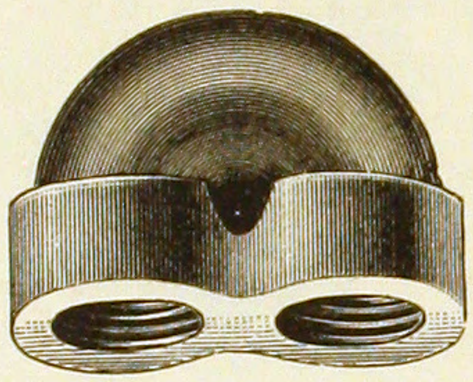
Right and Left.

No.	CLASS A.	Size.
256½,		⅛
	CLASS B.	
257,		¼
258,		⅜
259,		½
260,		¾
	CLASS C.	
261,		1
262,		1¼
263,		1½
264,		2

Malleable Iron Fittings.

Return Bends.

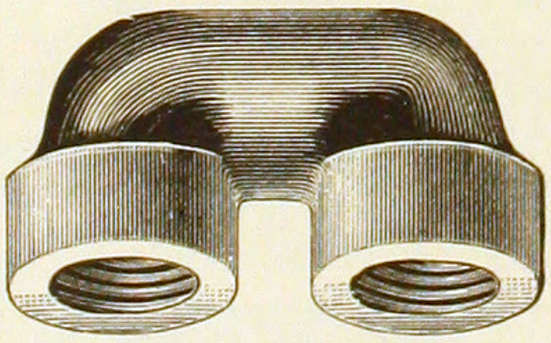
CLOSE PATTERN.



CLASS B.

No.	Size.	No.	Size.
265, ...	⅜, ⅞ C to C.	268, ...	1, 1¾ C to C.
266, ...	½, 1⅛ "	269, ...	1¼, 2⅛ "
267, ...	¾, 1⅜ "	270, ...	1½, 2½ "
		271, ...	2, 3 "

OPEN PATTERN.

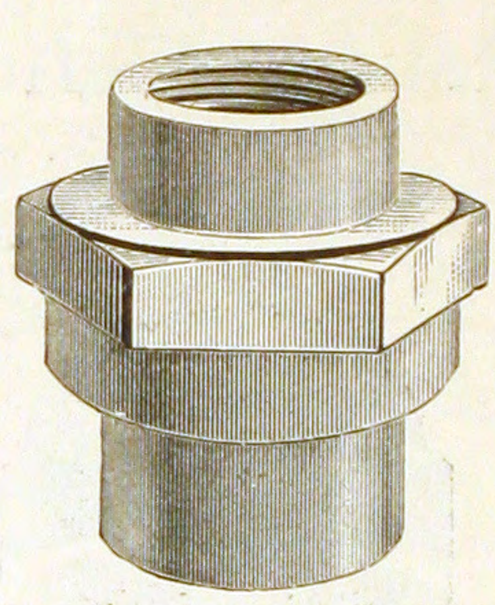


CLASS B.

No.	Size.	No.	Size.
272, ...	⅜, 1⅛ C to C.	275, ...	1, 2½ C to C.
273, ...	½, 1⅝ "	276, ...	1¼, 3 "
274, ...	¾, 2 "	277, ...	1½, 3½ "
		278, ...	2, 4 "

MALLEABLE UNIONS.

(WITH LIP.)

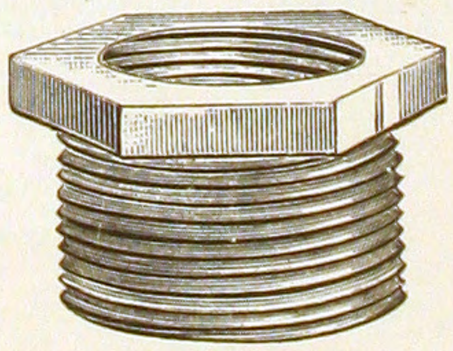


Nos.	279	280	281	282	283	284	285	286	287	288	289	290	291
Size,	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3	3½	4
Price, Black, $	0 15	15	18	20	28	34	46	60	80	1 50	2 10	3 00	4 00
Price, Galvanized,	20	20	24	27	37	50	70	90	1 20	2 25	2 90	4 50	5 60

FLANGE UNIONS.

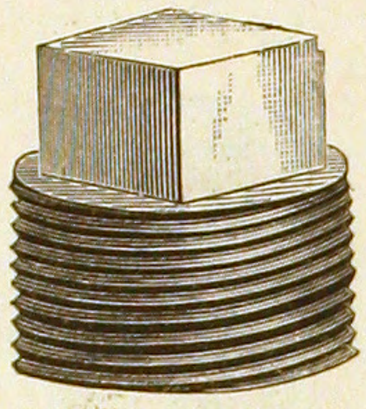
Size,	½	¾	1	1¼	1½	2	2½	3	3½	4	4½	5	6	7	8
Price, $	0 60	65	70	85	1 15	1 50	1 75	2 25	2 75	3 15	4 00	5 00	6 50	8 00	10 00

BUSHINGS.



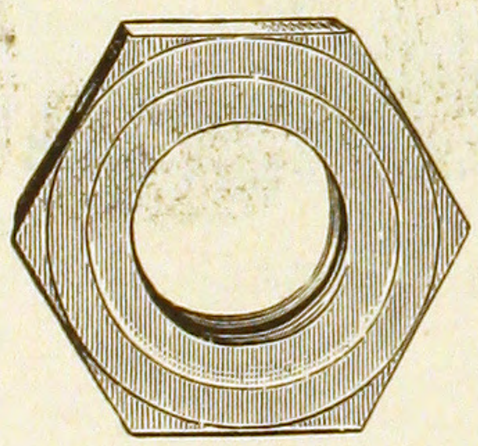
Size,	¼	⅜	½	¾	1	1¼	1½	2
Price, $	0 05	5	6	7	9	13	17	27
Size,	2½	3	3½	4	4½	5	6	
Price, $	0 42	60	80	1 00	1 40	1 85	2 50	

PLUGS.



No.	298½	299	300	301	302	303	304	305
Size,	⅛	¼	⅜	½	¾	1	1¼	1½
Price. $	0 03	3	3	4	5	6	10	13
No.	306	307	308	309	310	310¼	310½	310¾
Size,	2	2½	3	3½	4	4½	5	6
Price, $	0 20	35	50	75	85	1 20	1 75	2 40

LOCK NUTS.



CLASS B.

No.	Size.
311,	¼
312,	⅜
313,	½
314,	¾
315,	1

CLASS C.

No.	Size.
316,	1¼
317,	1½
318,	2
319,	2½
320,	3
321,	3½
322,	4
322¼,	4½
322½,	5
322¾,	6

Size,	⅛	¼	⅜	½	¾	1	1¼	1½
Price, $	0 04	4	4	6	7	8	10	12
Size,	2	2½	3	3½	4	4½	5	6
Price, $	0 25	40	50	70	95	1 15	1 35	1 90

Malleable Iron Fittings.

CAPS.



CLASS B.

No.	Size.
323,	¼
324,	⅜
325,	½
326,	¾
327,	1

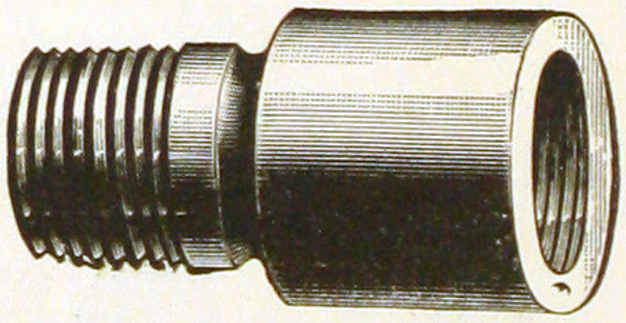
CLASS C.

328,	1¼
329,	1½

CLASS C.—Continued.

No.	Size.
330,	2
331,	2½
332,	3
333,	3½
334,	4
334¼,	4½
334½,	5
334¾,	6

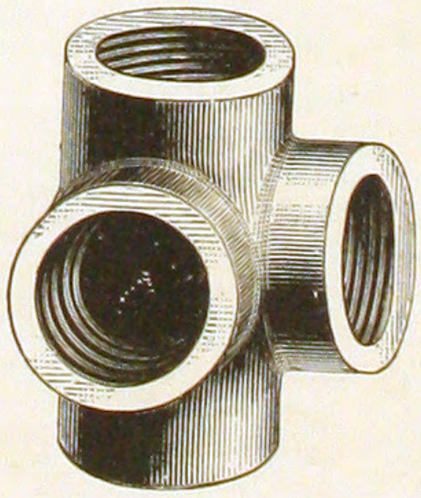
Extension Pieces.



CLASS B.

No.	Size.
339,	⅜ x ⅜
340,	½ x ½
341,	¾ x ¾

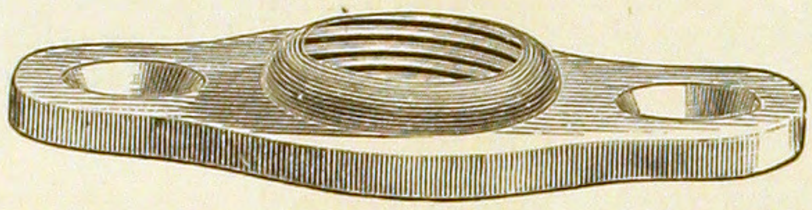
Side Outlet, or Four Way Tees.



CLASS B.

No.	Size.
600	½
601	¾
602	1
603	1¼

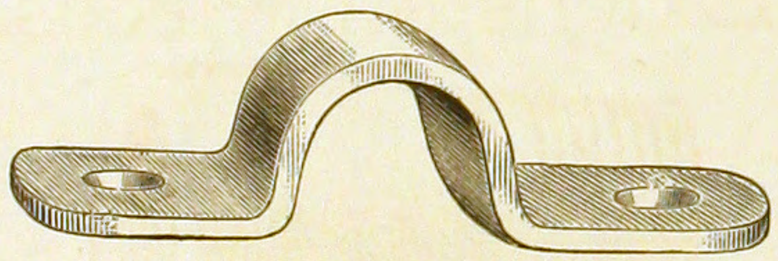
Waste Nuts.



CLASS B.	
No.	Size.
620	¼
621	⅜
622	½

CLASS B.—Continued.	
No.	Size.
623	¾
624	1

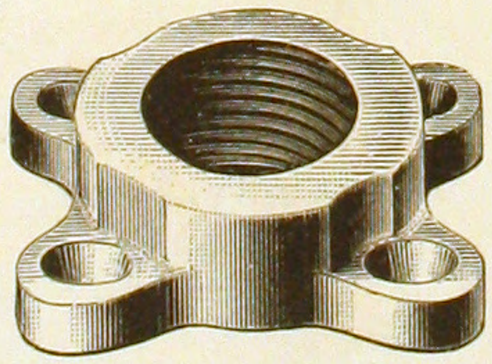
Tinned Straps.



Size,	¼	⅜	½	¾	1	1¼	1½	2
Price,	$0 18	18	18	18	18	18	18	18

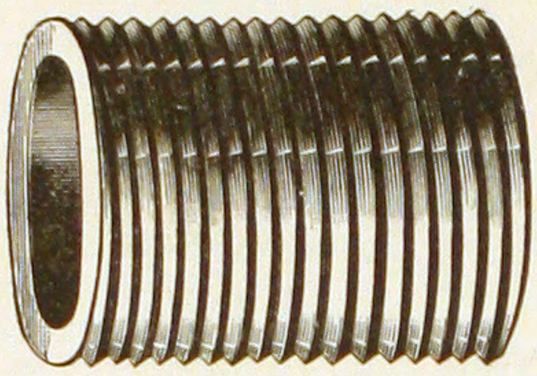
Floor Plates

WITH THREAD.

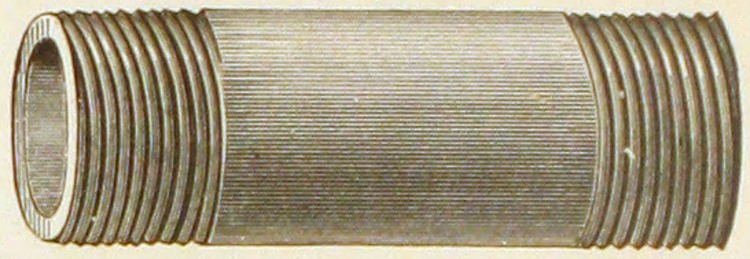


Size,	½	¾	1	1¼	1½	2
Price,	$0 15	15	20	25	35	40

Nipples.



Close Nipple.



Shoulder Nipple.

Table of sizes and lengths kept in stock.

Size,	⅛	¼	⅜	½	¾	1	1¼	1½	2
Length of Close,	¾	⅞	1	1⅛	1⅜	1½	1⅝	1¾	2
" Short,	1½	1½	1½	1½	2	2	2½	2½	2½
" Long Nipple from Short to	3½	3½	3½	3½	4	4	4½	4½	4½

Nipples.

Size, inches,	⅛	¼	⅜	½	¾	1	1¼	1½	2
Price of Close or short,	$0 05	5	6	7	9	10	14	17	25
" Long,	7	7	9	10	11	15	20	25	35
" 5 inch long,	16	16	17	18	20	22	29	36	44
" 6 "	17	17	18	19	21	24	31	38	49
" 7 "	18	18	19	20	22	27	33	40	54
" 8 "	19	19	20	21	23	29	35	42	59
" 9 "	20	20	21	22	25	31	38	45	64
" 10 "	21	21	22	23	27	33	40	48	69
" 11 "	22	22	23	25	29	36	43	51	74
" 12 "	23	23	25	27	31	40	46	55	79

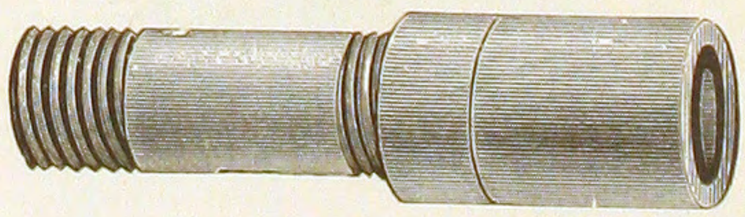
Size, inches,	¼	⅜	½	¾	1	1¼	1½	2
R. & L. Short,	$0 10	10	12	15	18	23	30	40
R. & L. Long,	12	14	16	20	24	35	46	50

Galvanized Nipples.

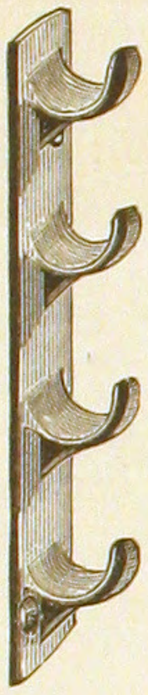
Size, inches,	¼	⅜	½	¾	1	1¼	1½	2
Nipples, Close or Short,	7	8	9	11	13	17	23	32
" Long,	9	11	13	16	19	24	31	40

Long Screw.

EXTRA HEAVY PIPE.



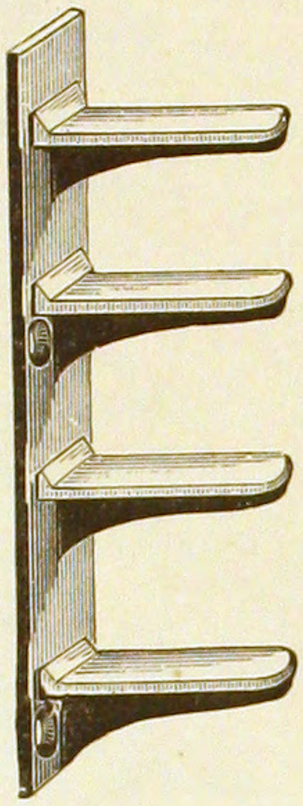
Size, inches,	¼	⅜	½	¾	1	1¼	1½	2
Standard Length,	2½	3	3½	4½	5	5⅛	6	6½
Price Standard Length,	$0 30	35	40	55	75	1 00	1 30	1 70
" " " Galvanized,	36	42	48	66	90	1 20	1 56	2 05



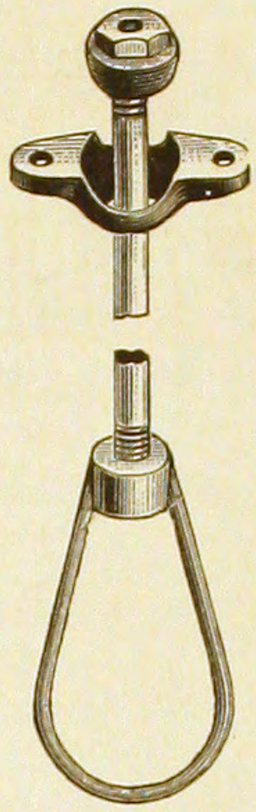
Hook Plates.



Single Hook Plates.



Expansion Plates.



Expansion Hangers.

HOOK PLATES.

Number of Hooks, . . .	1	2	3	4	5	6	7	8	9	10
For ¾ in. Pipe, 2 in. from C to C .	5	8	11	14	17	21	25	30		50
" 1 " " 2½ " " .	6	12	15	19	24	30	35	40		60
" 1¼ " " 3 " " .	8	16	20	23	30	40	45	50		
" 1½ " " 3½ " " .	12	24	30	36	45	60	70	75		90
" 2 " " 4½ " " .	16	36	49	56	60	75	90	97		

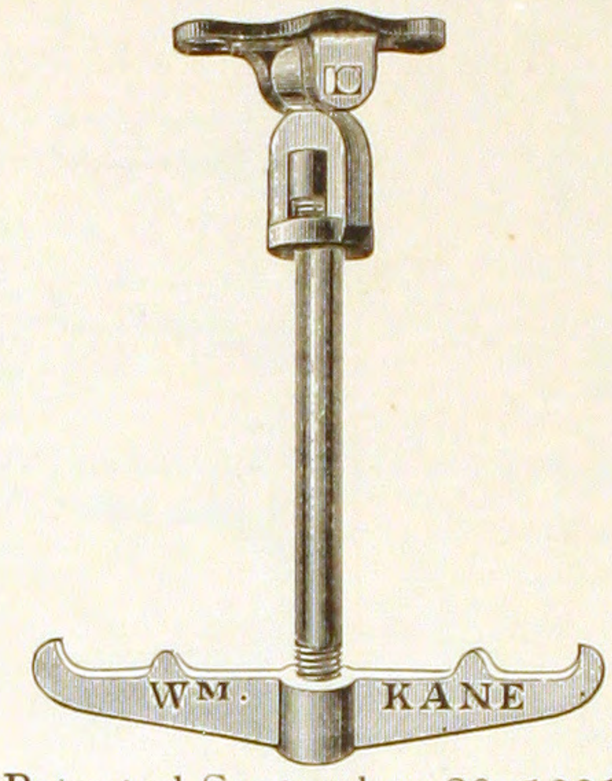
Expansion Plates.

Number of Hooks, . . .	4	5	6	7	8
For ¾ in. Pipe, 2 in. from C to C	15	18	21	25	30
" 1 " " 2½ " "	20	30	35	40	45
" 1¼ " " 3 " "	30	40	50	55	60

Expansion Hangers.

Size, ...	1	1¼	1½	2	2½	3	3½	4	4½	5
Price, ...	$0 27	35	39	51	62	75	77	94	1 20	1 40

Kane's Reversible Expansion Hanger.



Patented September 20, 1881.

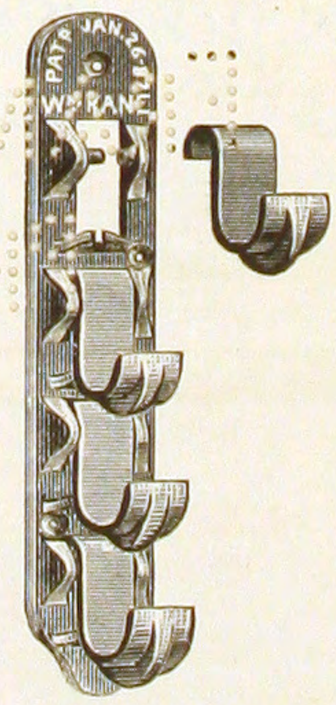
The above cut represents the hanger for the support of four tubes, but any number of tubes can be used by simply unscrewing the foot or cross bar and substituting another made for the desired number of pipes.

PRICE LIST.

Size of Pipe,	1	1¼
No. 3 Hangers for supporting, 3 tubes,	$1 50	1 75
" 4 " " " 4 "	1 50	1 75
" 5 " " " 5 "	1 70	2 00
" 6 " " " 6 "	1 70	2 00
" 8 " " " 8 "	2 10	2 50

Discount to the Trade,

Kane's Patent Movable Safety Hook Plates.

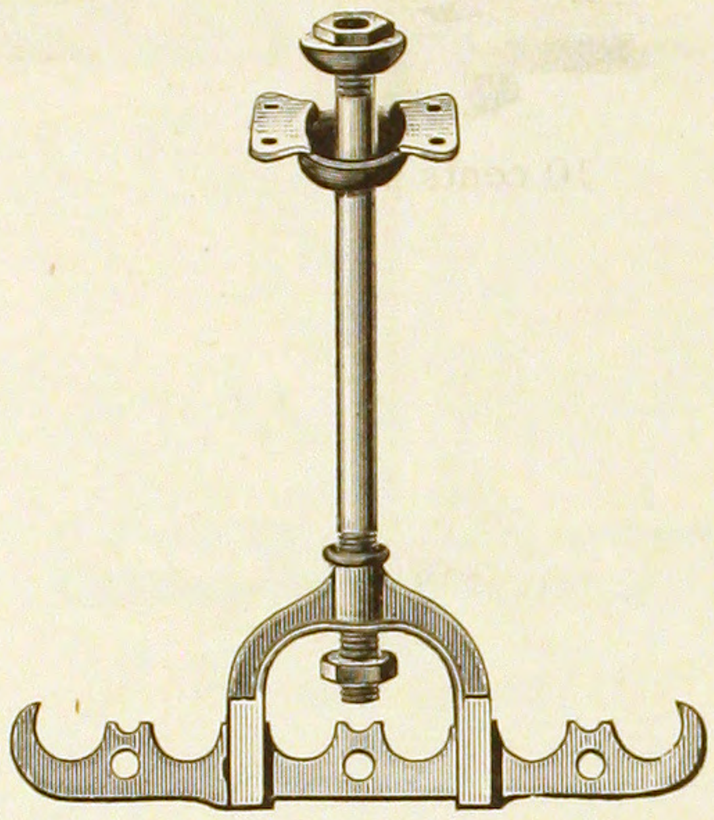


PRICE LIST.

No. of Pipes,	1	2	3	4	5	6	7	8	10
Hook Plates for ¾ Pipe,	$0 15	17	20	24	32	35	39	43	
" " "1 "	17	22	26	37	43	47	54	60	75
" " "1¼ "	19	28	35	44	59	65	70	92	

National Adjustable Hanger.

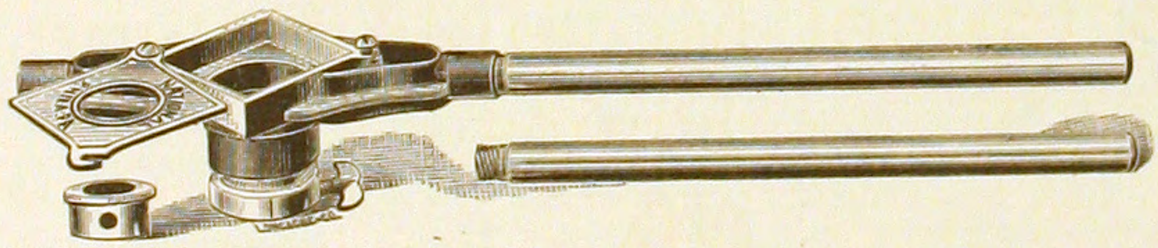
(Patent Applied for.)



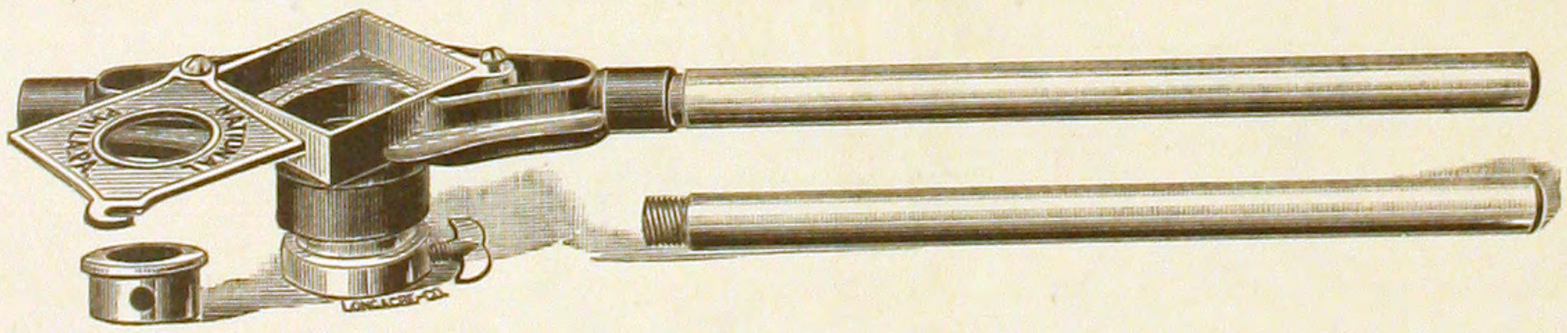
PRICE LIST.

Size of Pipe,	1	1¼
No. 3 Hangers for supporting, 3 tubes,	$1 50	$1 75
" 4 " " " 4 "	1 50	1 75
" 5 " " " 5 "	1 70	2 00
" 6 " " " 6 "	1 70	2 00
" 8 " " " 8 "	2 10	2 50
Discount to the Trade,		

Die Stocks.



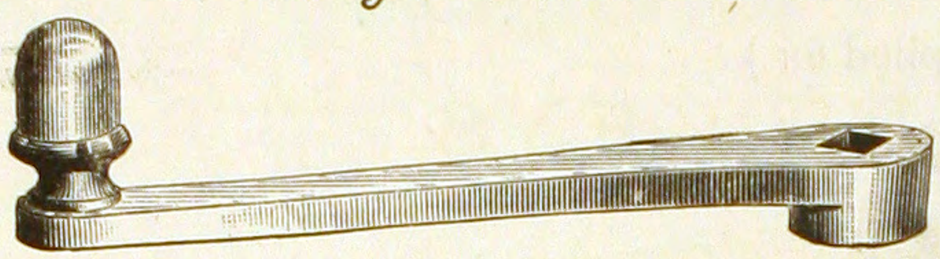
No. 1.

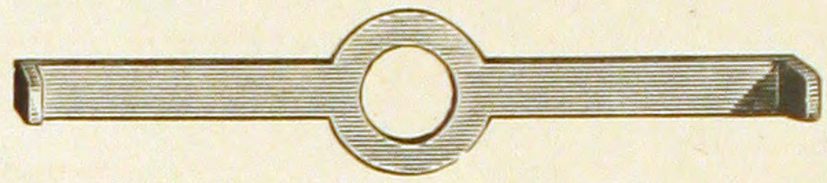


No. 2.

Nos.,	1	2
Price,	$5 00	9 50
Dimension of Dies,	2½ x ¾	4 x ⅞
Price, extra Bushings,	$0 35	60
Complete,	15 00	20 00
Dies, ¼ x 1 inclusive,		2 00 each.
" 1¼ x 2 "		3 50 "

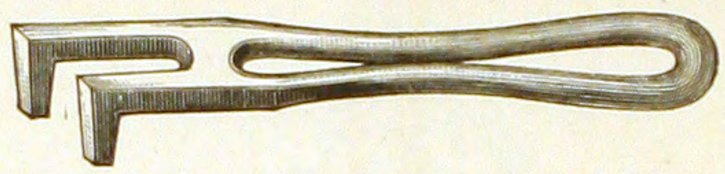
Hydrant Handles and Stays.





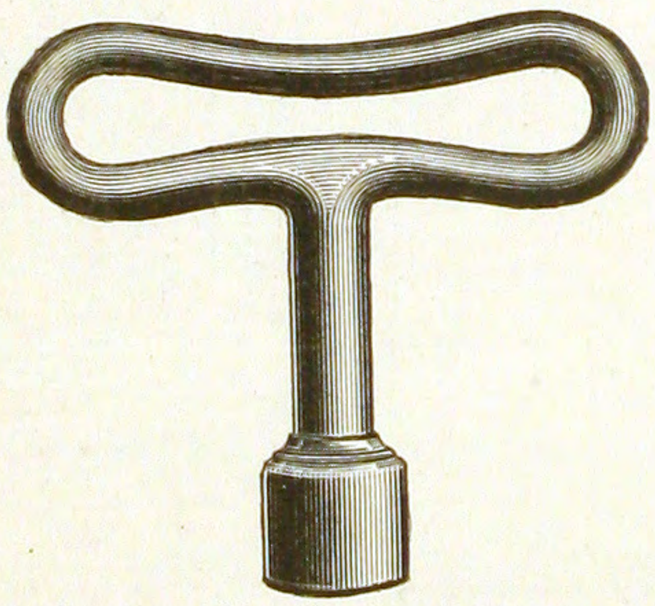
10 cents per pound.

Beer Pump Wrenches.



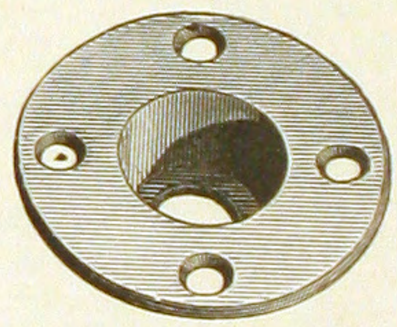
12 cents per pound.

Gas Keys.



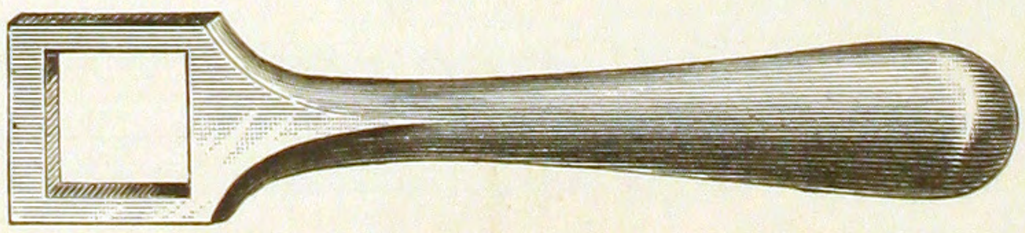
8 cents per pound.

Floor Plates.



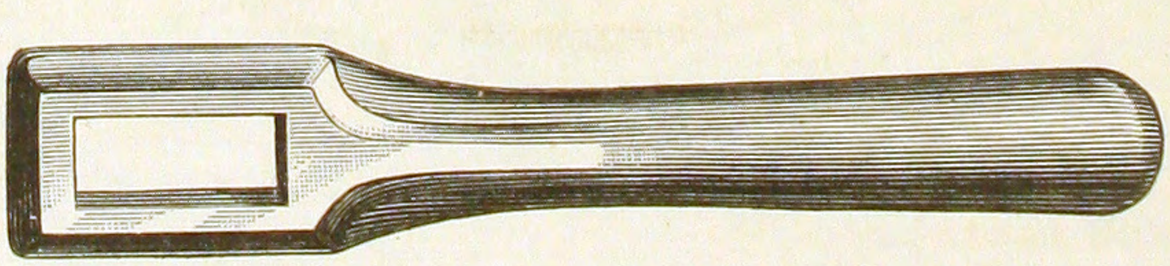
10 cents per pound.

COCK WRENCHES.



½ 5/8 ¾ inch.

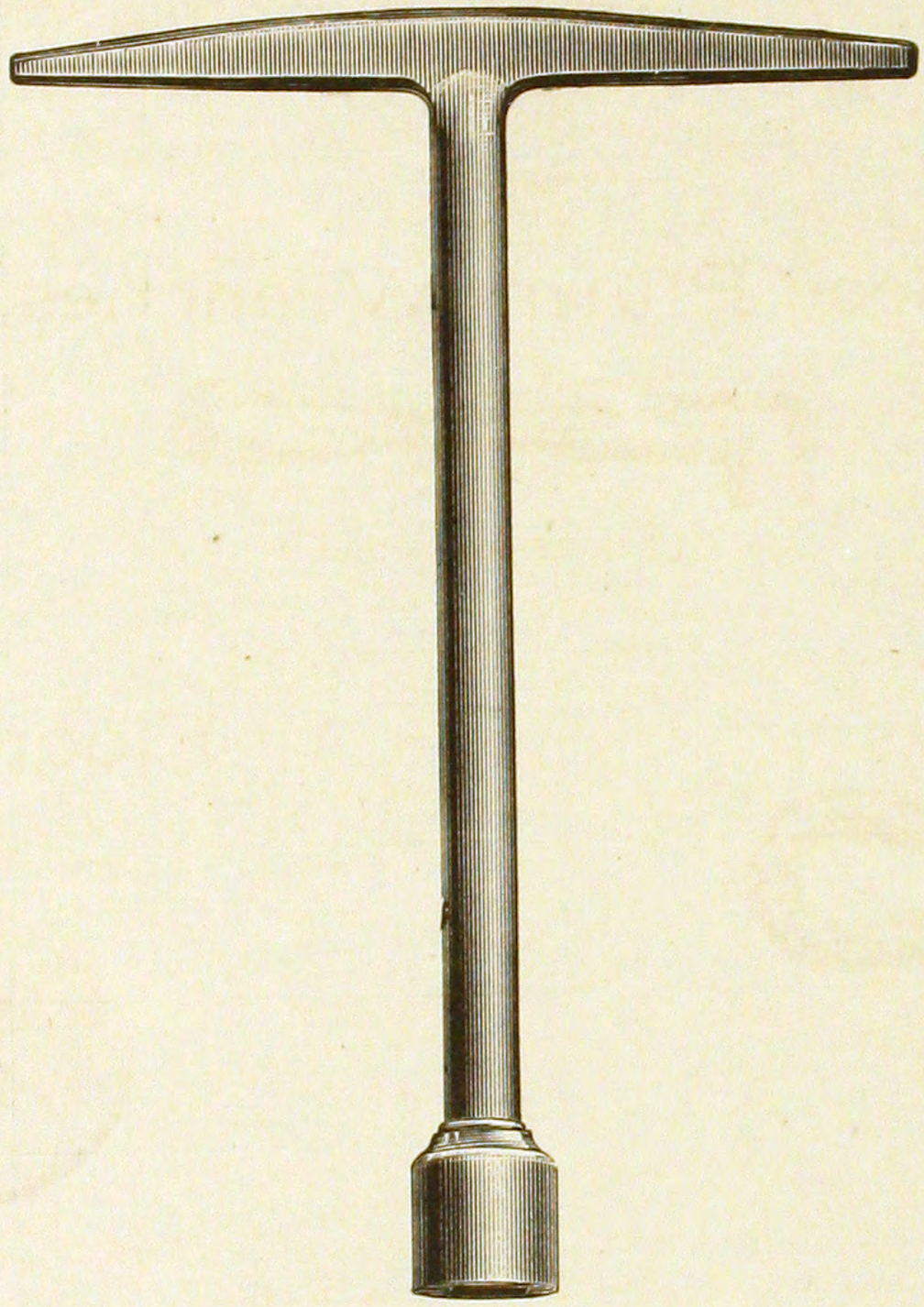
8 cents per pound.



½ x 1¼ 1 x 1½ 1¼ x 1½ inches.

8 cents per pound.

WASH-PAVE KEYS.



3/8 $\frac{7}{16}$ inch hole.

12 cents per pound.

Wash-Pave Check and Guide.

Malleable Iron,	$6 00 per gross.
" " with Brass Check,	7 00 " "

LIST OF BRASS FITTINGS—IRON PIPE SIZES.

SIZES,	⅛	¼	⅜	½	¾	1	1¼	1½	2	2½	3
ELLS,	$0 12	$0 13	$0 18	$0 25	$0 35	$0 45	$0 75	$1 00	$1 50	$3 00	$4 00
TEES,	15	20	25	35	40	60	1 00	1 25	2 00	3 50	6 50
REDUCING ELLS (reduced one end one size)		15	20	30	40	50	85	1 20	1 75	3 50	4 70
" TEES (" two " " ")		25	30	40	45	70	1 15	1 45	2 25	4 00	7 00
CROSSES,	28	30	35	40	60	75	1 25	1 50	2 25	4 50	7 50
SOCKETS,	8	15	18	20	30	35	60	70	1 10	1 75	2 75
CAPS,	8	8	10	15	25	35	50	60	1 15	1 75	2 50
BUSHINGS,	8	8	10	15	18	20	30	35	50	1 25	2 00
UNIONS—Ground Joints,		45	65	75	1 15	1 50	2 00	3 25	5 00	7 50	11 50
PLUGS,	6	8	10	15	18	30	40	55	80	1 75	2 50
SHOULDER NIPPLES,	18	20	25	30	40	50	75	1 00	1 50	2 25	4 00
CLOSE,	15	18	20	25	30	40	60	85	1 25	2 00	3 05
LOCK NUTS,	8	8	10	15	20	25	35	50	75	1 20	2 00

Discount,.....

Will furnish Ells, Tees and Crosses reduced to any size, to order at special prices.